If you find this manual useful, how about a donation of $3 to: M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701 and send your E-mail address too so I can thank you. Most other places would charge you $7.50 for a electronic copy or $18.00 for a hard to read Xerox copy. These donations allow me to continue to buy new manuals and maintain these pages. It'll make you feel better, won't it?

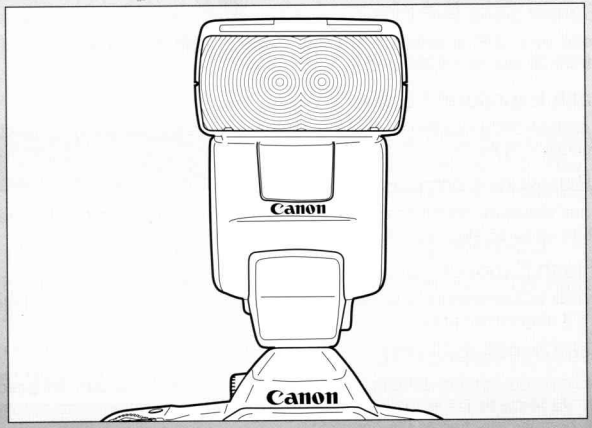
If you use Pay Pal, use the link below. Use the above address for a check, M.O. or cash. Use the E-mail of butkusmi@ptd.net for PayPal.

back to my “Orphancameras” manuals /flash and light meter site

Only one “donation” needed per manual, not per multiple section of a manual !
The large manuals are split only for easy download size.

Flash Photography

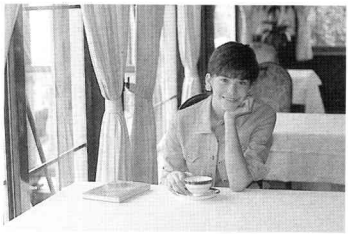
An EOS-dedicated EX-series or EZ-series Speedlite makes flash photography with the EOS-3 as easy as any AE mode. With an EX-series Speedlite, E-TTL autoflash photography as well as wireless E-TTL multi-flash photography is possible.
Speedlite 550EX will be used to describe the flash photography features provided with the EOS-3. For details on Speedlite 550EX, see the Instructions that come with it.



First set the <⚡> switch to <**A**>. If necessary, also set the <⚡> switch to <**I**>.

1. Flash Photography with Speedlite 550EX

With Speedlite 550EX attached to the EOS-3, flash photography is as easy as any AE mode. You can also use the following features:



(1) E-TTL Autoflash

With E-TTL autoflash (preflash evaluative metering), optimum flash exposure can be obtained for the subject in focus. In the aperture-priority AE mode, a slow sync speed is set automatically in low-light situations to obtain a natural-looking, balanced exposure between the subject and background.

(2) High-Speed Sync (FP Flash)

High-speed sync (FP or focal-plane flash) enables flash synchronization with all shutter speeds from 30 sec. to 1/8000 sec.

(3) FE (Flash Exposure) Lock

FE lock obtains and locks the correct flash exposure for any part of the subject. This is the flash equivalent of AE lock.

(4) Flash Exposure Compensation

Like normal exposure compensation, flash exposure compensation can be used to set the flash output up to ±3 stops in 1/3-stop increments.

(5) FEB (Flash Exposure Bracketing)

As with AEB (autoexposure bracketing), flash exposures can also be bracketed up to ±3 stops in 1/3-stop increments.

(6) Wireless Multi-flash E-TTL

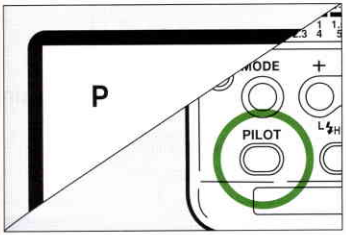
For sophisticated lighting effects, multiple wireless Speedlites can be used for E-TTL autoflash. All features (1) to (5) above can be used. The operation is as simple as using a Speedlite directly attached to the camera.

E-TTL is an abbreviation for Evaluative-Through-The-Lens.

- With autofocus, the flash exposure is always based on the aperture (set automatically or manually) and autoflash metering is weighted at the current focusing point.
- When it is difficult to autofocus, the 550EX's built-in AF-assist beam is emitted automatically. The beam is linked to the area AF.

Full Auto Flash

Full Auto E-TTL autoflash used with the Program AE mode is described here. For details on Speedlite 550EX operations, see the Instructions that came with it.



1 Set the camera's shooting mode to **P**.

2 Check that the 550EX's pilot lamp is lit.

3 Focus the subject.

4 Make sure the flash-ready indicator ϟ is lit, check the shutter speed and aperture, then take the picture.

E-TTL Autoflash in Other Shooting Modes

Even in the **Tv**, **Av**, and **M** modes, E-TTL autoflash can be used as easily as without flash.

(1) When you press the shutter button, the shutter speed and aperture are set by the camera as usual.

Mode	Shutter Speed Setting	Flash Aperture Setting
Tv (Shutter speed-priority AE)	Manual (30 sec. - 1/200 sec.)	Auto
Av (Aperture-priority AE)	Auto (30 sec. - 1/200 sec.)	Manual
M (Manual)	Manual (30 sec. - 1/200 sec.)	Manual

(2) When you press the shutter button completely, preflash evaluative metering based on the aperture setting is used for the flash exposure.

(3) The background exposure is set by the shutter speed and aperture combination.

High-Speed Sync (FP Flash)

When the Speedlite's high-speed sync lamp ( ) is on, high-speed sync (FP or focal-plane flash) is enabled automatically. The Speedlite can then synchronize at all shutter speeds, even those faster than 1/200 sec. When high-speed sync is enabled, H is displayed in the viewfinder to indicate high-speed sync.

High-speed sync is effective in the following cases:

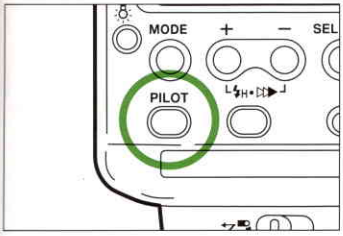
(1) When you want to use fill-in flash for a portrait and maintain background blur with a large aperture.
(2) When you want to produce a catchlight in the subject's eyes.
(3) When you want to use fill-in flash to eliminate shadows

With conventional flash.

With FP flash.

FE Lock

FE (flash exposure) lock obtains and locks the correct flash exposure reading for the desired portion of the scene.



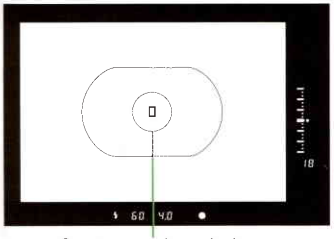
1 Check that the Speedlite's pilot lamp is lit.

- The flash mode can be either normal or high-speed sync. FE lock works with either mode.

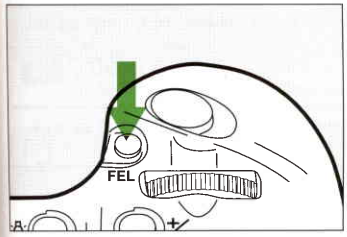
2 Focus the subject with AF or manual focus.

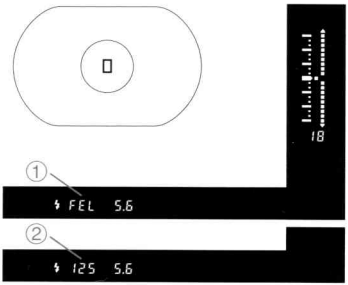
3 Aim the spot metering circle over the part where you want to lock the flash exposure, then press the <**FEL**> button. (16 sec.)

- The Speedlite fires a preflash and calculates the required flash output which is then stored in memory.
- In the viewfinder, the focusing point linked to the FE lock flashes in red.



Spot metering circle





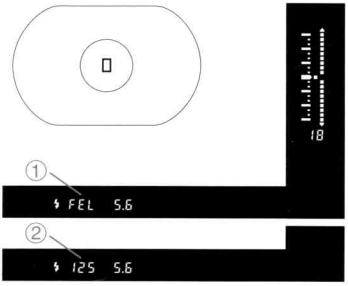
- Below the viewfinder, the display shown in ① appears for 0.5 sec. followed by the display shown in ②.

For this picture, FE lock was used to lock the flash exposure reading for the face and then the shot was recomposed. The subject was exposed properly without being affected by the background reflection.

4 Compose the shot and take the picture.

- If the subject is too far away resulting in underexposure, the ϟ icon will blink. Get closer to the subject and follow steps 3 and 4.
- When shooting more than one exposure of the same subject, FEL must be set again for each shot.

CF Custom Function CF-13 enables FE lock with the manually-selected or eye-selected focusing point. See page 118.



- Below the viewfinder, the display shown in ① appears for 0.5 sec. followed by the display shown in ②.

For this picture, FE lock was used to lock the flash exposure reading for the face and then the shot was recomposed. The subject was exposed properly without being affected by the background reflection.

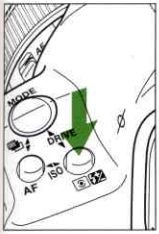
4 Compose the shot and take the picture.

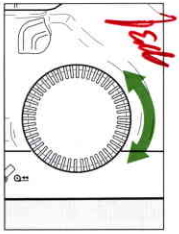
- If the subject is too far away resulting in underexposure, the ϟ icon will blink. Get closer to the subject and follow steps 3 and 4.
- When shooting more than one exposure of the same subject, FEL must be set again for each shot.

CF Custom Function CF-13 enables FE lock with the manually-selected or eye-selected focusing point. See page 118.

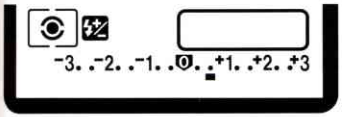
Flash Exposure Compensation

When an EOS-dedicated Speedlite is used, you can set flash exposure compensation with the camera up to ±3 stops in 1/3-stop increments.

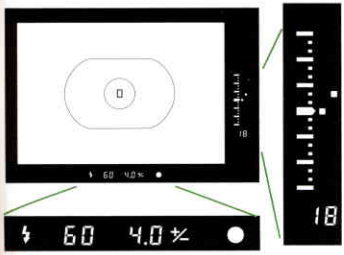




1 While pressing the <⚡±> button, turn the <◌> dial to set the desired flash exposure compensation amount.



- On the LCD panel, the plus side of the scale indicates overexposure and the minus side indicates underexposure. The sample LCD panel on the left shows a flash exposure compensation amount of +2/3 stop.



2 Release the <⚡±> button and the normal display returns.

- Press the shutter button halfway to display the flash exposure compensation amount on the viewfinder's exposure level scale.
- Press the <⚡±> button to display the flash exposure compensation amount on the LCD panel.
- To cancel flash exposure compensation, set the flash exposure compensation amount to <0>.

CF Custom Function CF-6 enables the flash exposure compensation amount to be set in half-stop increments. See page 112.

- The flash exposure compensation amount is retained even when the <⏻> switch is set to <L>.
- Flash exposure compensation can be set with Canon Speedlites 550EX, 540EZ, and 430EZ. If flash exposure compensation is set with both the Speedlite and camera, the flash exposure compensation amount set with the Speedlite overrides the amount set with the camera.

FEB (Flash Exposure Bracketing)

Three successive flash shots can be bracketed automatically according to the bracketing amount set with Canon Speedlite 550EX. Without changing the background exposure, you can bracket the flash exposure for the subject up to ±3 stops in 1/3-stop increments.

Correct exposure.

Underexposure (–1/3 stop).

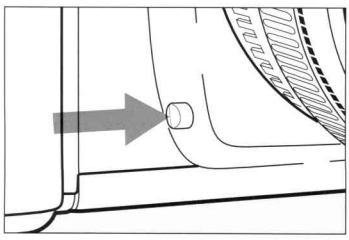
Overexposure (+1/3 stop).

- Flash exposure bracketing is set with the 550EX. For details, see the 550EX's Instructions.
- The flash exposure bracketing amount set with the 550EX can be displayed in the camera's viewfinder.
- Before taking FEB pictures, be sure the Speedlite 550EX is ready. Single-frame shooting is recommended.

CF The flash exposure bracketing amount can also be set in half-stop increments. See page 112.

Modeling Flash

By using modeling flash, you can see the shadows and other flash lighting effects produced by the flash or multiple flash units.



1 Check the Speedlite and camera settings.

2 Press the camera's depth-of-field preview button.

- The Canon Speedlite 550EX fires at 70 Hz for 1 second.

Wireless Multi-Flash System

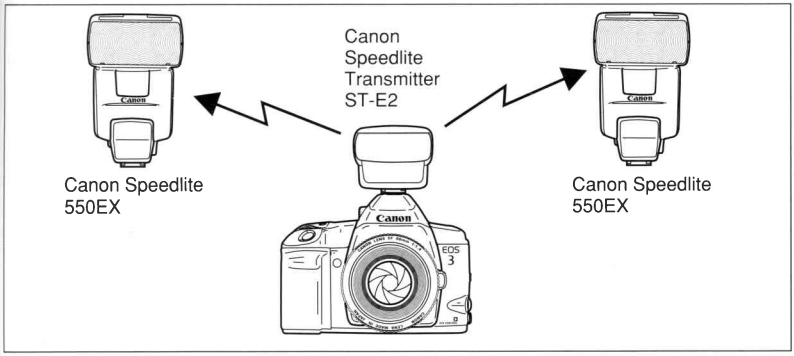
The Canon Speedlite 550EX has the following three features:

(1) E-TTL autoflash
(2) Slave unit
(3) Wireless master control of other slave-triggered 550EX units

By using the above features, you can set up a wireless E-TTL autoflash system with up to three Speedlites. You can also set the flash output ratio between the Speedlites to create the desired flash lighting effect.

- For details, see the 550EX and ST-E2's Instructions.

Wireless multi-flash system



2. Using Other EOS-Dedicated Speedlites

With an EOS-dedicated Speedlite other than the EX series, TTL autoflash can be used as easily as normal AE modes. The flash exposure is controlled by off-the-film flash metering linked to the focusing point.

(1) When you press the shutter button halfway, the shutter speed and aperture are set automatically by the camera.

Mode	Shutter Speed Setting	Flash Aperture Setting
P (Program AE)	Auto (1/60 sec. - 1/200 sec.)	Auto
Tv (Shutter speed-priority AE)	Manual (30 sec. - 1/200 sec.)	Auto
Av (Aperture-priority AE)	Auto (30 sec. - 1/200 sec.)	Manual
M (Manual)	Manual (30 sec. - 1/200 sec.)	Manual

(2) When you press the shutter button completely, TTL autoflash metering based on the aperture setting is used for the flash exposure.

(3) The background exposure is set by the shutter speed and aperture combination.

- Flash exposure compensation can be set with the camera.
- If the multi-flash system is wired with flash cords, TTL autoflash takes effect.
- Cover the main subject with the area AF ellipse.
- Automatic Reduction of Flash Output
  If an EOS-dedicated Speedlite is used for a subject backlit by a top light, the flash output is reduced automatically to avoid having an unnatural-looking exposure. This is called automatic reduction of flash output.

CF Custom Function CF-14 can prevent the automatic reduction of flash output. See page 118.

3. Using Non-Canon Flash Units

Sync Speed

The EOS-3 can synchronize with compact, non-Canon flash units at 1/200 sec. or slower shutter speeds. With large studio flash, the sync speed is 1/125 sec. or slower. Be sure to test the flash to see if it synchronizes properly with the camera.

PC Terminal

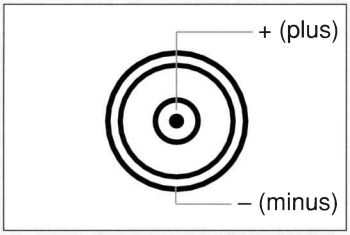
The camera's PC terminal is provided for flash units using a sync cord. The PC terminal is threaded to prevent inadvertent disconnection. Only X-sync is used for synchronization at 1/200 sec. or slower.

A flash unit attached to the camera's hot shoe and a flash unit connected to the PC terminal can be used at the same time.

- Canon EOS-dedicated Speedlites are recommended for use with this camera.

- If the camera is used with a flash unit or flash accessory dedicated to another camera brand, the camera may not operate properly and camera malfunction may result.

- There are studio flash units whose sync cord polarity is opposite from the camera's PC terminal. Such flash units do not work with the camera. Consult the manufacturer of the flash unit or purchase a commercially-available polarity conversion cord. The camera's PC terminal polarity is shown in the figure on the right.



Basic Terminology 4

● Depth of Field

This is the range in front of and behind the plane of optimum focus where acceptable focus can be achieved. The smaller the aperture (the larger the F-number), the greater the depth of field will be. And the larger the aperture (the smaller the F-number), the shallower the depth of field will be.

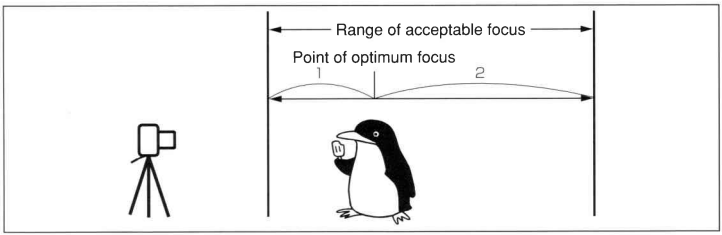
The depth of field is affected as described below:

(1) A smaller aperture (a larger F-number) increases the depth of field.

(2) A lens with a shorter focal length increases the depth of field.
··· A wide-angle lens obtains a greater depth of field than a telephoto lens.

(3) A longer distance between the camera and subject increases the depth of field.

(4) The depth of field behind the plane of optimum focus is twice as long as the depth of field in front of the plane of optimum focus.

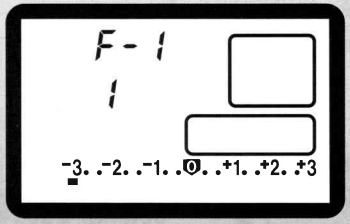


Taken with an f/22 aperture.

Taken with an f/2 aperture.

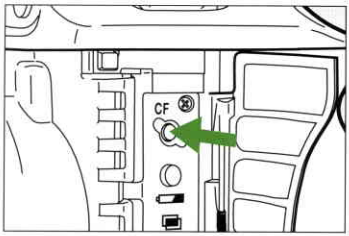
Custom Functions

You can customize camera functions with the camera's Custom Functions.
In the previous text, the CF symbol was used to point out a relevant Custom Function. In this chapter, all the Custom Functions are described in detail.



First set the <> switch to <**A**>. If necessary, also set the <> switch to <**I**>.

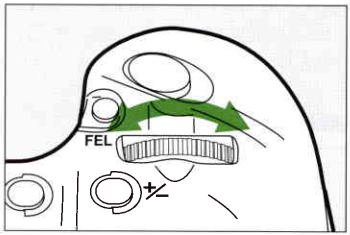
1. Setting and Canceling Custom Functions



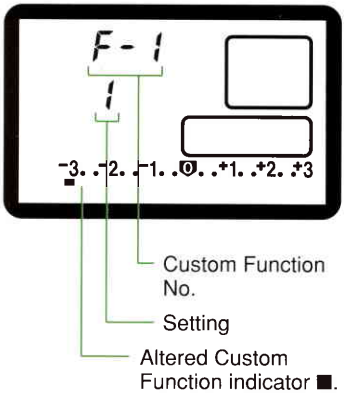
Setting a Custom Function

1 Open the side door and press the <**CF**> button.

- The Custom Function No. appears on the LCD panel.



2 Turn the <dial> dial until the desired Custom Function No. appears.

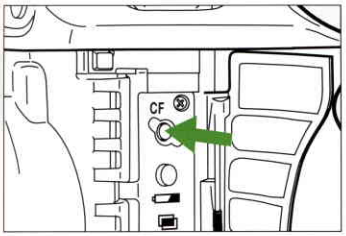


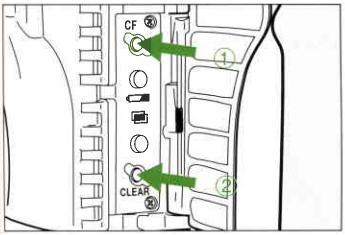
3 Then press the <**CF**> button to change the Custom Function's setting. Each time you press the <**CF**> button, the Custom Function setting changes.

- To change Custom Function *F-0*'s setting, press the <**CF**> button for at least 2 seconds. See page 133.

4 Press the shutter button halfway. The LCD panel returns to the normal display and the new Custom Function setting takes effect.

- While you use the camera, you can check the Custom Function setting by pressing the <**CF**> button.





Altered Custom Function Indicator

The Custom Functions which you have altered are indicated on the exposure compensation scale.
The scale's increments from left to right are used to mark the 17 Custom Functions. The left-most increment (–3) is for Custom Function CF-1. The next increment to the right denotes the next Custom Function in numerical order up to CF-17.

-3. .-2. .-1. .0. .+1. .+2. .+3

(CF-1) (CF-5) (CF-10) (CF-14)
In this example, the scale shows that Custom Functions CF-1, CF-5, CF-10, and CF-14 have been altered.

Canceling a Custom Function

1 Select the Custom Function No. whose setting is to be canceled, then press the <**CF**> button until the setting returns to 0 on the LCD panel.

2 Press the shutter button halfway. The LCD panel returns to the normal display.

Canceling All Custom Functions

To reset all Custom Functions (except CF-0) to 0, open the side door and press the CF button. Then press the <**CLEAR**> button.

2. Custom Function Settings

Custom Function CF-0 makes the camera's built-in exposure meter compatible with the focusing screen. Be sure to set this Custom Function to suit the focusing screen installed in the camera.
Custom Functions CF-1 to CF-17 can be set to suit your preferences.

Custom Function	No.	Setting
Match the focusing screen	CF-0	0 1

Custom Function	No.	Setting	Description
Film rewind mode	CF-1	0	High-speed automatic film rewind.
		1	No automatic film rewind. → Pressing midroll rewind <⊙◀◀> button executes high-speed rewind.
		2	Silent automatic film rewind.
		3	No automatic film rewind. → Pressing midroll rewind <⊙◀◀> button executes silent rewind.

Focusing Screen	Page
Setting for focusing screen Ec-N or Ec-R ([N] : New Lasermatte Screen). Setting for focusing screens Ec-A, Ec-B, Ec-C, Ec-CII, Ec-D, Ec-H, Ec-I, Ec-L ([L] : Lasermatte Screen)	133

Remarks	Page
	28
Settings 1 and 3 are ideal when film rewind noise would be disturbing.	

Custom Function	No.	Setting	Description
Film leader position after film rewind	CF-2	0	Rewinds the film leader into the cartridge.
		1	Leaves the film leader outside the cartridge.
ISO film speed setting method	CF-3	0	Sets the film speed automatically with DX-coded film.
		1	Enables the film speed to be set manually.
AF activation method	CF-4	0	Enables AF and AE operation by pressing the shutter button halfway. • AE lock with the <✱> button.
		1	Enables AE and AF operations with the <✱> button. • Shutter button pressed halfway enables AE lock.
		2	Shutter button pressed halfway enables AF and AE operation. • AF lock (no AE lock) with the <✱> button.
		3	Enables AF and AE operation (no AE lock) with the <✱> button. • Pressing the shutter button completely releases the shutter (pressing it halfway executes AE operation only).

Remarks	Page
This is convenient if you develop the film yourself. • If 1 is set, the shutter speed will always be 1/8000 sec. if you release the shutter with the camera back open.	28
This is effective if you want to set the film speed yourself. You can be relieved from setting the film speed each time you load film.	26 27 81
This is effective when you want to focus and meter at different portions of the scene.	80
This is effective when you want to stop AI Servo AF operation momentarily. If an obstruction comes between the camera and subject, it will not throw off the AF. The exposure is set at the moment of exposure. When you use AI Servo AF, you can toggle between AI Servo AF and focus lock just by pressing the <✳> button. This is useful for subjects which keep moving and stopping repeatedly. The exposure is also set at the moment when the picture is taken. Thus, the focusing and exposure are always set correctly and all you do is wait for the right moment to capture the shot.	36

Custom Function	No.	Setting	Description
Shutter speed and aperture setting method in the Manual mode	CF-5	0	Enables the < > dial to set the shutter speed and the < > dial (or the <+/-> button and < > dial) to set the aperture.
		1	Enables the < > dial to set the aperture and the < > dial (or the <+/-> button and < > dial) to set the shutter speed. • This reverses the functions of the < > and < > dials.
		2	The shutter speed and aperture are set in the same way as setting 0. In the aperture-priority AE and manual exposure modes, the aperture can be set with the camera manually even with the lens detached.
		3	The shutter speed and aperture are set in the same way as setting 1. In the aperture-priority AE and manual exposure modes, the aperture can be set with the camera manually even with the lens detached.

Remarks	Page
This makes it easier to change the aperture during studio sessions with studio flash units. Also, when AEB is used in the manual exposure mode, the shutter speed can be fixed while only the aperture is shifted for AEB.	74
If you are using a super telephoto lens with more than one EOS-3 body, you can still set the aperture with the camera(s) not attached to the lens. This function is mainly for pro photographer assistants.	67 74
Same as setting 2. • To use this Custom Function together with Custom Function CF-11, see page 123.	67 74

Custom Function	No.	Setting	Description
Exposure setting increments	CF-6	0	Enables all settings to be set in 1/3-stop increments.
		1	Enables the shutter speed and aperture to be set in full-stop increments, and exposure compensation and flash exposure compensation in 1/3-stop increments.
		2	Enables all exposure settings to be set in half-stop increments.
Electronic manual focusing.	CF-7	0	The lenses listed on the right enable electronic manual focusing after AF operation.
		1	Disables electronic manual focusing after AF operation.
		2	Disables electronic manual focusing at all times.
Frame counter display	CF-8	0	The frame counter counts up.
		1	The frame counter counts down (indicates the remaining number of frames).

Remarks	Page
This is suited for slide films which have a narrow exposure latitude.	
The shutter speed and aperture can be set in the familiar full-stop increments.	64 67 74
Suited for negative films which have a wide exposure latitude.	64, 67 74, 78 97, 98
EF 50mm f/1.0L USM, EF 85mm f/1.2L USM, EF 200mm f/1.8L USM, EF 300mm f/2.8L USM, EF 400mm f/2.8L USM, EF 500mm f/4.5L USM, EF 600mm f/4L USM, EF 1200mm f/5.6L USM, EF 28-80mm f/2.8-4L USM.	
This prevents the focus from being thrown off by inadvertent turning of the focusing ring after One-Shot AF.	52
When this Custom Function is set to 0 or 1 and Custom Function CF-4 is set to 1 or 3 (see page 122), the focusing ring can be used to focus before AF operation. However, this is disabled with this setting. * When this Custom Function is set to 1 or 2, you must first set the lens focus switch to **MF** (or **M**) to focus manually.	52
	25
You can see how many frames are left in the roll.	26

Custom Function	No.	Setting	Description
AEB sequence and cancellation	CF-9	0	standard exposure, underexposure, overexposure, then automatic cancellation.
		1	standard exposure, underexposure, overexposure, and no automatic cancellation.
		2	Underexposure, standard exposure, overexposure, then automatic cancellation.
		3	Underexposure, standard exposure, overexposure, and no automatic cancellation.
Focusing point flashing mode	CF-10	0	Standard mode • Flashes when focus is achieved, lights dimly while you press the shutter button halfway after focus is achieved.
		1	No flashing at all.
		2	No flashing after focus is achieved.
		3	Flashes brightly.

Remarks	Page
AEB is not canceled even when the lens is interchanged or when the film is replaced. Therefore you can keep taking AEB shots (with the standard exposure first).	78
	78
You can keep taking AEB shots in this sequence.	78
This applies during manual focusing point selection and Eye-Control AF. During automatic focusing point selection, the focusing point does not light dimly after focus is achieved.	
If the flashing of the focusing point is annoying, you can disable it.	42
This disables the focusing point from lighting dimly after focus is achieved.	42
This makes the focusing point easier to see even in bright light.	42

Custom Function	No.	Setting	Description
Focusing point selection method	CF-11	0	Enables the focusing point to be selected by pressing the <⊞> button and turning the <dial> and/or <◎> dial. • Turn the <dial> to select a focusing point on the right or left, and turn the <◎> dial to select a focusing point on the top or bottom.
		1	Enables the focusing point to be selected by pressing the <+/-> button and turning the <dial> and/or <◎> dial.
		2	Enables the <◎> dial alone to select a left or right focusing point. • Setting 1 operations can also be executed.
		3	Enables the focusing point to be selected by pressing the <**FEL**> button and turning the <dial> and/or <◎> dial.
Mirror lockup	CF-12	0	No mirror lockup (normal position).
		1	Sets mirror lockup.

Remarks	Page
	38
The functions of the <⊞> button and <⁺∕₋> button are reversed. This makes the exposure compensation method and aperture setting method (during manual exposure) the same as with the EOS-1.	42
This setting is identical to the EOS-1N's Custom Function CF-11 set to 2 for the left or right focusing point selection method. With this setting, you can select the focusing point while pressing the shutter button halfway (or within (⏱6) after releasing the shutter button) or during continuous shooting in the AI Servo AF mode. The focusing point selection stops at the extreme left or right focusing point. • During autofocusing, pressing the <⊞> button switches the focusing point selection mode from manual to automatic. This is convenient when you want to switch quickly to automatic focusing point selection.	36 42
This reverses the functions between the <⊞> button and <**FEL**> button. The button next to the AE lock button then functions as an <**FEL**> button.	42
Effective for close-up shots and with super telephoto lenses. Mirror lockup eliminates camera vibration caused by the mirror's reflex action. A tripod is required.	89

Custom Function	No.	Setting	Description
Focusing point and spot metering linkage	CF-13	0	No linkage. • Spot metering is always at the center.
		1	Links spot metering to the focusing point. • Spot metering is linked to one of 11 focusing points selected either manually or by Eye Control.
		2	No linkage. • Spot metering is always at the center. • You can select only one of 11 focusing points.
Automatic reduction of fill-in flash output	CF-14	0	Enable.
		1	Disable.
Shutter curtain synchronization	CF-15	0	First-curtain synchronization. • The flash fires immediately after the shutter opens.
		1	Second-curtain synchronization. • At slow sync speeds, the flash fires immediately before the shutter closes.

Remarks	Page
The selectable focusing points are limited to 11. This makes focusing point selection faster and links spot metering to the focusing point you select. This setting is effective for spotlighted subjects on-stage, etc., when you want to maintain the framing of the subject. Compared to setting 0, this setting makes focusing point selection faster. (When automatic focusing point selection is used with settings 1 and 2, all 45 focusing points will be subject to automatic selection.)	56 96 56
Natural-looking fill-in flash effects are obtained automatically. Preventing automatic reduction of flash output is effective for backlit subjects in front of a sunset, etc., to prevent underexposure of the subject.	100
By using a slow sync speed, you can create a light trail following a moving subject. * This setting works with Speedlites 380EX and 220EX. (This is effective for EX-series Speedlites which do not have shutter-curtain synchronization switching capability. Speedlite 550EX has this capability and its shutter-curtain synchronization setting overrides Custom Function CF-15.)	

Custom Function	No.	Setting	Description
Safety shift	CF-16	0	Disabled.
		1	Enabled. • Safety shift works in the shutter speed-priority AE and aperture-priority AE modes. • If a standard exposure cannot be obtained with the shutter speed or aperture you have set, then the camera automatically shifts the shutter speed or aperture so that a standard exposure can be obtained.
Manual focusing point selection range	CF-17	0	Standard 
		1	Expanded selection range 
		2	Automatically-selected range 

Remarks	Page
Even if the exposure settings you have set are not suitable, the camera will automatically alter the settings to obtain a standard exposure. This feature is convenient when the scene's brightness changes suddenly.	64 67

The focusing point selection range expands by one point all around the manually-selected focusing point. This setting is effective when the manually-selected focusing point is unable to focus track a subject moving irregularly.

As shown in the table below, the camera sets the focusing point selection range automatically to suit the lens focal length, AF mode, and subject movement during predictive AF. This feature is useful when the subject movement is unpredictable.

AF Mode	Lens Focal Length	
	Shorter than 300mm	300mm or Longer
One-Shot AF	 The focusing point selection range does not expand automatically.	 The focusing point selection range expands by 1 point.
AI Servo AF	 For a slow-moving subject. For a fast-moving subject.	 For a slow-moving subject. For a fast-moving subject.

Using Custom Functions CF-4 and CF-7 Together

If Custom Functions CF-4 and CF-7 are used together, the availability of electronic manual focusing will be as follows:

Custom Function No.		CF-4	
	Setting	0, 2	1, 3
CF-7	0	× / O	O / O
	1	× / ×	O / ×
	2	× / ×	× / ×

Before focus/After focus

O: Electronic manual focusing enabled.

×: Electronic manual focusing disabled.

Using Custom Functions CF-5 and CF-11 Together

If Custom Functions CF-5 and CF-11 are used together in the manual exposure mode, the shutter speed and aperture setting method will be as follows:

Custom Function No.		CF-5	
	Setting	0, 2	1, 3
CF-11	0	Shutter speed: Set with <⌓> dial. Aperture: (1) Set with <◎> dial, (2) Or with <⅟> button and <⌓> dial.	Aperture: Set with <⌓> dial. Shutter speed: (1) Set with <◎> dial, (2) Or with <⅟> button and <⌓> dial.
	1	Shutter speed: Set with <⌓> dial. Aperture: (1) Set with <◎> dial, (2) Or with <▦> button and <⌓> dial.	Aperture: Set with <⌓> dial. Shutter speed: (1) Set with <◎> dial, (2) Or with <▦> button and <⌓> dial.
	2	Shutter speed: Set with <⌓> dial. Aperture: (1) Set with <▦> button and <⌓> dial.	Aperture: Set with <⌓> dial. Shutter speed: (1) Set with <▦> button and <⌓> dial.
	3	Shutter speed: Set with <⌓> dial. Aperture: (1) Set with <◎> dial, (2) Or with <⅟> button and <⌓> dial.	Aperture: Set with <⌓> dial. Shutter speed: (1) Set with <◎> dial, (2) Or with <⅟> button and <⌓> dial.

3. Index of Custom Functions

Film Transport Custom Functions	No.	Setting
① No auto film rewind.	CF-1	1, 3
② High-speed film rewind.	CF-1	0, 1
③ Quiet film rewind.	CF-1	2, 3
④ Leave out film leader after rewind.	CF-2	1
⑤ Set film speed manually.	CF-3	1
⑥ Display remaining frame No.	CF-8	1

AF Custom Functions	No.	Setting
① No AF operation with halfway pressing of shutter button.	CF-4	1, 3
② Autofocus with a button other than the shutter button.	CF-4	1, 3
③ Separate metering and autofocusing operations.	CF-4	1, 3
④ Enable AF lock in AI Servo AF mode.	CF-4	2, 3
⑤ Enable AE and AI Servo AF with the <✱> button and allow the shutter button to only release the shutter.	CF-4	3
⑥ After focus is achieved in the One-Shot AF mode, enable electronic manual focusing.	CF-7	0
⑦ After focus is achieved in the One-Shot AF mode, disable electronic manual focusing.	CF-7	1, 2
⑧ Disable focusing point flashing.	CF-10	1
⑨ Enable focusing point flashing only when focus is achieved.	CF-10	2
⑩ Make focusing point flashing brighter.	CF-10	3
⑪ Enable instant switching from manual to automatic focusing point selection.	CF-11	2
⑫ Enable a left or right focusing point to be selected with the <◎> dial alone.	CF-11	2

Picture-Taking Custom Functions	No.	Setting
① Enable the <dial> dial to set the aperture in manual exposure mode.	CF-5	1, 3
② Enable the aperture to be set with the camera even with the lens detached.	CF-5	2, 3
③ Set the shutter speed and aperture increments to full stops.	CF-6	1
④ Set the exposure compensation (including flash exposure compensation) increments to half stops.	CF-6	2
⑤ Prevent AEB from canceling when the lens is interchanged or when film is replaced.	CF-9	1, 3
⑥ Set the AEB sequence to underexposure, standard exposure, and overexposure.	CF-9	2, 3
⑦ Link spot metering to the focusing point.	CF-13	1
⑧ Enable faster focusing point selection.	CF-13	1, 2
⑨ In the shutter speed-priority AE mode, enable a standard exposure automatically even when the lighting conditions change suddenly.	CF-16	1
⑩ In the aperture-priority AE mode, enable a standard exposure automatically even when the lighting conditions change suddenly.	CF-16	1
⑪ Set second-curtain flash synchronization.	CF-15	1
⑫ Enable flash exposure lock with the <button> button.	CF-11	3
⑬ Enable flash exposure bracketing with studio flash.	CF-5	1, 3
⑭ Set a correct flash exposure for a subject backlit by a sunset. (Disable automatic reduction of flash output.)	CF-14	1
⑮ Set mirror lockup.	CF-12	1

Reference Section

This section helps you understand your camera and enjoy photography better. It gives reference information and introduces system accessories.

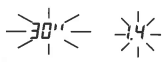
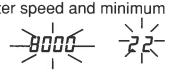
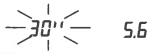
1. Troubleshooting Guide

If there is a problem, first refer to this Troubleshooting Guide. If the problem still persists, take the camera to your nearest Canon Service Center. Canon Service Centers are listed on the back of this booklet.

Problem	Probable Cause	Solution	Page
Nothing is displayed on the LCD panel.	No battery has been installed.	Set the <⏻> switch to **A**.	16
	The battery is exhausted.	Replace the battery with a new one.	21 22
	The battery has been installed incorrectly.	Load the battery correctly.	21
The film does not load.	<⏻> is not on.	Set the <⏻> switch to **A**.	16
	Film has not been loaded properly. (**---** blinks on the LCD panel.)	Load the film correctly.	24 25
A Custom Function cannot be set.	The <⏻> switch is not on.	Set the <⏻> switch to **A**.	16
	The <🔒> switch has been set to **I**.	Set the <🔒> switch to **I**.	19
AF does not work.	<⏻> switch is not on.	Set the <⏻> switch to **A**.	16
	The lens focus mode has been set to **MF** (or **M**).	Set the lens focus mode to AF (or A).	23
	Custom Function CF-4 has been set to 1 or 3.	Set Custom Function CF-4 to 0.	104

Problem	Probable Cause	Solution	Page
The shutter does not release.	The film has not been loaded properly. (< ▪▪▪ > blinks on the LCD panel.)	Load the film correctly.	24 25
	Rewound film is still in the camera. (The < 🔍 > icon is blinking.)	Replace the film with a new roll.	24 28
	Focus has not been achieved. (The in-focus indicator in the viewfinder is blinking.)	Press the shutter button halfway again and focus again. If the camera still cannot focus, see "Manual Focusing " on page 52.	17 30 52
The film does not rewind automatically.	The temperature is cold.	Cold temperatures can quickly degrade battery performance. Replace with a new battery.	8 21
	Custom Function CF-1 has been set to 1 or 3.	Set Custom Function CF-1 to 0 or 2.	28 104
"bc" blinks on the LCD panel.	Battery power is very low.	Replace the battery with a new one.	7 21
	A misoperation has occurred with the camera, lens, or flash unit.	Remove and reload the battery. If "bc" turns off, camera operation will be normal. • If "bc" still continues to blink, the camera, lens, or flash unit is faulty. Take the camera and any attached lens and flash unit to your nearest Canon Service Center.	7 21 Back cover

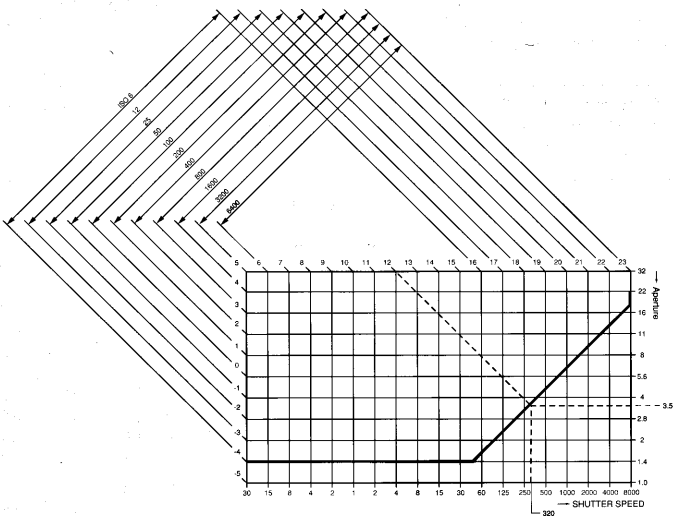
2. Exposure Warning List

Mode and Dial Icon	Blinking Warning	Description	Countermeasures
P	30" shutter speed and maximum aperture 	The subject is too dark.	Use flash.
	8000 shutter speed and minimum aperture 	The subject is too bright.	Attach a neutral density filter to the lens.
Tv	Maximum aperture 	The picture will be underexposed.	Set a slower shutter speed.
	Minimum aperture 	The picture will be overexposed.	Set a faster shutter speed.
Av	30" shutter speed 	The picture will be underexposed.	Set a larger aperture (smaller f-number).
	8000 shutter speed 	The picture will be overexposed.	Set a smaller aperture (larger f-number).
DEP	Current aperture 	The desired depth of field cannot be obtained.	1) Move away from the subject and try again. 2) If a zoom lens is used, use the shortest focal length.
	30" shutter speed and maximum aperture 	The subject is too dark.	Use flash.
	8000 shutter speed and minimum aperture 	The subject is too bright.	Attach a neutral density (ND) filter to the lens.

3. Program Line

The program line below applies when the camera is used in the Program AE (**P**) mode with an EF 50mm f/1.4 USM lens.

Intelligent Program AE Line
With EF 50mm f/1.4 USM



Program Line Description

The bottom horizontal axis represents the shutter speed and the right vertical axis represents the aperture. On the left edge and top edge of the graph, the Exposure Value (EV) is indicated on a 45-degree scale. The program line indicates the shutter speed and aperture which the Program AE mode sets automatically for the respective EV.

Example: When the subject brightness is EV 12, the point where the diagonal line from EV 12 (on the top edge of the graph) intersects the program line indicates the corresponding shutter speed (1/320 sec.) and aperture (f/3.5) which the program sets automatically.
The arrowhead lines above the graph indicate the metering range for the respective film speed.

4. Shutter Speed and Aperture Readouts

● Shutter speed readout

The shutter speed is normally displayed in 1/3-stop increments. Numbers from "4" to "8000" denote the denominator of the shutter speed fraction. For example, "125" is 1/125 sec. Also, 0"3 is 0.3 sec., and 15" is 15 sec.

● Aperture readout

The aperture is normally displayed in 1/3-stop increments. The larger the number, the smaller the aperture opening. The range of aperture numbers (f-numbers) displayed depends on the lens used.

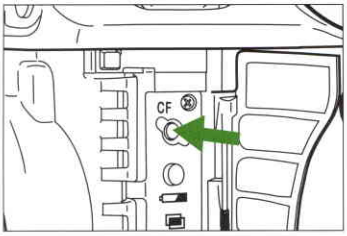
CF Custom Function CF-6 enables the shutter speed and aperture to be set in full-stop or half-stop increments. See page 112.

1/3-stop Increments				Half-stop Increments			Full-stop Increments	
Shutter speed		Aperture		Shutter speed		Aperture	Shutter speed	Aperture
8000	13	1.0	25	8000	1"	1.0	8000	1.0
6400	10	1.1	29	6000	1"5	1.2	4000	1.4
5000	8	1.2	32	4000	2"	1.4	2000	2.0
4000	6	1.4	36	3000	3"	1.8	1000	2.8
3200	5	1.6	40	2000	4"	2.0	500	4.0
2500	4	1.8	45	1500	6"	2.5	250	5.6
2000	0"3	2.0	51	1000	8"	2.8	125	8.0
1600	0"4	2.2	57	750	10"	3.5	60	11
1250	0"5	2.5	64	500	15"	4.0	30	16
1000	0"6	2.8	72	350	20"	4.5	15	22
800	0"8	3.2	81	250	30"	5.6	8	32
640	1"	3.5	91	180		6.7	4	45
500	1"3	4.0		125		8.0	0"5	64
400	1"6	4.5		90		9.5	1"	91
320	2"	5.0		60		11	2"	
250	2"5	5.6		45		13	4"	
200	3"2	6.3		30		16	8"	
160	4"	7.1		20		19	15"	
125	5"	8.0		15		22	30"	
100	6"	9.0		10		27		
80	8"	10		8		32		
60	10"	11		6		38		
50	13"	13		4		45		
40	15"	14		0"3		54		
30	20"	16		0"5		64		
25	25"	18		0"7		76		
20	30"	20				91		
15		22						

5. Interchanging the Focusing Screen

The camera's focusing screen can be interchanged to suit the picture-taking application. You must also set Custom Function CF-0 so that the standard exposure standard suits the focusing screen.

Focusing Screen Type	Screen Designation	Custom Function CF-0 Setting
N : New Laser-matte Screen	Ec-N, Ec-R	0
L : Laser-matte Screen	Ec type (A, B, C, CII, D, H, I, L)	1



1 Open the side door and press the <**CF**> button.

- The Custom Function No. appears.

2 Turn the <⟳> dial until "F-0" appears.

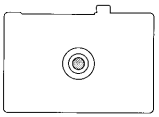
3 Press the <**CF**> button for 2 seconds. Either "0" or "1" will be displayed on the LCD panel. Pressing the <**CF**> button toggles between 0 and 1.

4 Press the shutter button halfway. The LCD panel's normal display reappears.

- If you do not replace the focusing screen that came with the camera, you need not change Custom Function CF-0's setting.
- To change the focusing screen, refer to the Instructions that comes with the focusing screen.
- The Ec-A, Ec-B, Ec-I, and Ec-L focusing screens has a prism at the center. This prism cannot obtain standard exposure readings during evaluative and spot metering. Use centerweighted averaging metering or off-center spot metering instead.

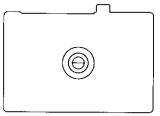
Ec-series Interchangeable Focusing Screens

Ec-A: Standard microprism



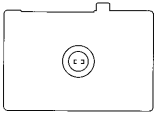
Compatible with all EF lenses. Lenses with a maximum aperture smaller than f/5.6 will cause the focusing screen's microprism to darken.

Ec-B: New split screen



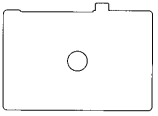
Compatible with all EF lenses. Lenses with a maximum aperture smaller than f/5.6 will cause the focusing screen's microprism to darken.

Ec-C: Laser-matte



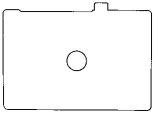
EOS-1's standard screen.

Ec-CII: Laser-matte



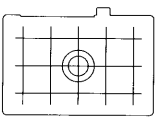
EOS-1N's standard screen.

Ec-R New Laser-matte



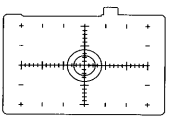
EOS-1N RS's standard screen.

Ec-D: Laser-matte with grid



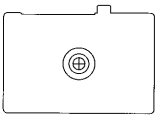
Compatible with all EF lenses. Ideal for architectural photography and photo duplication work.

Ec-H: Laser-matte with scale



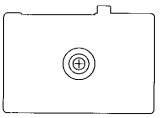
Compatible with all EF lenses. The scales at the center and periphery help you compose shots for close-ups and photomicrography.

Ec-I: Laser-matte with cross hair reticle



Use the cross hair at the center to focus. Suited for photomicrography and astrophotography.

Ec-L: Cross split screen



Compatible with all EF lenses. Focus with the vertical and horizontal splits. Lenses with a maximum aperture smaller than f/5.6 will cause the focusing screen's split portion to darken.

6. Major Accessories

● Camera Case EH-11L and EH-11LL

Dedicated, semi-hard case which can accommodate the camera attached with a lens.

Standard lenses

EH-11L: EF 28-105mm f/3.5-4.5 USM

EH-11LL: EF 28-135mm f/3.5-5.6 IS USM

● Power Drive Booster PB-E2

Together with the Ni-MH Pack NP-E2, Power Drive Booster PB-E2 enables a top continuous shooting speed of about 7 frames per second. The vertical grip has its own shutter button, Main Dial, AE lock button, FE lock button, and focusing point selector. It makes vertical shots as easy as horizontal shots. With Battery Magazine BM-E2, this Booster becomes compatible with the EOS-1N and EOS-1.

● Power Drive Booster E1

Although this was developed for the EOS-1N and EOS-1, it can also be used with the EOS-3. The maximum continuous shooting speed is about 6 frames per second. It has a vertical-grip shutter button and AE lock button.

● Battery Pack BP-E1

The grip portion houses a 2CR5 lithium battery while the battery magazine holds four widely-available size-AA alkaline batteries. You can switch between these two power sources to suit the shooting condition. The continuous shooting speed is the same as a plain EOS-3.

● Ni-MH Pack NP-E2

Powerful battery pack dedicated to Power Drive Booster PB-E2. The rated voltage is 12 V. It can be recharged over 500 times. When fully charged, it has enough power for 70 rolls of 36-exposure film at 20°C.

* Power Drive Booster PB-E2 installed with this Pack cannot be used with the EOS-1N and EOS-1.

● Ni-MH Charger NC-E2

This dedicated charger quickly recharges the Ni-MH Pack NP-E2, taking about 100 minutes for one Pack. It also prevent excess recharging. Two Packs can be attached at one time. The discharge feature (taking about 8.5 hours) cancels the NP-E2 memory effect. It runs on 100 - 240 VAC.

● Battery Magazine BM-E2

Dedicated to and provided with Power Drive Booster PB-E2. It holds eight size-AA alkaline, Ni-Cd, or lithium batteries.

● EX-series Speedlites 550EX, 380EX, and 220EX

Three EOS-dedicated E-TTL autoflash Speedlites are available. The 550EX for a large flash output, the 380EX for affordable performance, and the 220EX for compactness. Their respective Guide numbers (at ISO 100 in meters) are 55, 38, and 22. All three Speedlites enable E-TTL autoflash, high-speed sync (FP flash), and FE lock. With the 550EX, an easy-to-use wireless, multi-flash system is possible.

● Speedlite Transmitter ST-E2

This is the controller for a wireless, multi-flash E-TTL autoflash system. It can control up to two Speedlite 550EX groups set as slaves. The wireless transmitter range is about 12 to 15 meters indoors and 8 to 10 meters outdoors.

● Off-Camera Shoe Cord 2

This cord enables the 550EX to be connected off-camera up to 60 cm away. All of the Speedlite's controls and features can be used as usual. The Cord can be used with all EX-series, EZ-series, and E-series Canon Speedlites.

● Date Back DB-E2

This is an interchangeable, EOS-3-dedicated camera back equipped with a Quick Control Dial and date imprinting feature. The date up to the year 2019 can be imprinted on the photograph. The following imprinting modes (displayed on LCD) are provided: Year, month, day; Day, hour, minute; Blank; Month, day, year; and Day, month, year.

● Ed-Series Dioptric Adjustment Lenses

The EOS-3's viewfinder is set to -1 diopter. If necessary, one of ten Ed-series dioptric adjustment lenses (–4 to +3 diopters) with eyecup can be attached. Eye Control can also be used while a dioptric adjustment lens is attached.

● Timer Remote Controller TC-80N3

This is a remote switch with an 80-cm cord and self-timer, interval timer, long-exposure timer, and other features. The time setting can be set anywhere from 1 sec. to 99 hours, 59 min., 59 sec. Its connection plug for the EOS-3 has a quick-lock feature.

● Remote Switch RS-80N3

Remote switch with an 80-cm cord to prevent camera shake for super telephoto shots, macrophotography, and bulb exposures. The remote switch can give the same effect as pressing the shutter button halfway or completely. It also has a shutter release lock. Its quick-lock plug connects to the EOS-3's remote control socket.

● Extension Cord ET-1000N3

Ten-meter extension cord for connecting the Timer Remote Controller TC-80N3 or Remote Switch RS-80N3 to the EOS-3. For remote picture-taking situations.

● Wireless Controller LC-4

Wireless controller effective up to 100 meters. It comes with a transmitter and receiver. The receiver's camera connection plug connects to the EOS-3's three-pin remote control socket with quick-lock feature. It has the same wireless controller features as the LC-3.

● Remote Switch Adapter RA-N3

This plug adapter enables old Remote Switches (60T3, etc.) having a threaded, 3-pin plug to be connected to the EOS-3's new remote control socket.

- The EOS-3's three-pin remote control socket is new with a quick-lock feature. It is compatible with the new Remote Switch RS-80N3, Timer Remote Controller TC-80N3, and Wireless Controller LC-4 receiver. When a plug is connected, it locks automatically.
- The EOS-3's three-pin remote control socket is not directly compatible with old-model accessories such as Remote Switch 60T3. Remote Switch Adapter RA-N3 will be required to connect such accessories.

Major Specifications

■ Type	
Type:	35mm AF/AE single-lens reflex with focal-plane shutter and built-in motor drive.
Picture size:	24 mm × 36 mm
Compatible lenses:	Canon EF lenses
Lens mount:	Canon EF mount
■ Viewfinder	
Type:	Eye-level pentaprism
Picture coverage:	97 percent vertically and horizontally
Magnification:	0.72x (–1 diopter with 50mm lens at infinity)
Standard diopter:	–1 diopter. (19.5mm eye relief)
Focusing screen:	Interchangeable (9 types), Standard focusing screen: Ec-N.
Mirror:	Quick-return half mirror (Transmission:reflection ratio of 37:63). No vignetting with EF 1200mm f/5.6 lens or a shorter lens.
Viewfinder information:	(1) On the screen: Area AF ellipse, center spot metering circle (2) Below the screen: Shutter speed, aperture, ✱ (blinks at 2 Hz during AE lock and AEB), ◘ (lights when Eye Control is enabled or blinks when Eye Control fails), ϟ (lights during flash-ready and blinks during unsuitable FE lock), ϟH (lights during high sync speed), ±⁄ (exposure compensation and flash exposure compensation), ● (in-focus indicator (Light when focus is achieved and blinks at 8 Hz if AF fails) (3) Right of screen: Exposure level scale (±3 stops in ±1/3-stop increments), exposure level indicator (① AE mode and exposure compensation amount, ② AE lock and real-time metering indicator, ③ Manual exposure level, ④ AEB amount, ⑤ Background exposure with flash), flash exposure level (① Flash exposure compensation amount, ① Reverse highlight with FE lock, ① FEB amount), Multi-spot metering, frame counter.
Depth-of-field Preview:	Enabled with depth-of-field preview button

■ Exposure Control

Metering modes:	TTL max. aperture metering with a 21-zone silicon photocell. (1) Evaluative metering (linkable to any focusing point) (2) Partial metering (approx. 8.5% of viewfinder at center) (3) Center spot metering (approx. 2.4% of viewfinder at center) (4) Spot metering (linked to focusing point at approx. 2.4% of viewfinder) * During continuous shooting with metering modes (3) and (4), the first shot is metered in real time and the meter reading is locked (AE lock) for subsequent shots in the same burst. (5) Multi-spot metering (Max. 8 multi-spot metering entries) (6) Centerweighted averaging metering
Exposure Control Methods:	① Program AE (shiftable), ② Shutter speed-priority AE (in 1/3 stops, safety shift enabled with Custom Function), ③ Aperture-priority AE (in 1/3 stops, safety shift enabled with Custom Function), ④ Depth-of-field AE, ⑤ E-TTL program flash AE (high-speed sync, FE lock, and wireless control enabled with 550EX), ⑥ A-TTL program flash AE, ⑦ TTL program flash AE, ⑧ Manual, ⑨ Bulb
Metering range:	EV 0-20 (at 20˚C with 50mm f/1.4 lens, ISO 100)
ISO film speed range:	ISO 6-6400 (Set automatically with DX-coded film at ISO 25-5000.)
Exposure compensation:	(1) Autoexposure bracketing (AEB): ±3 stops in 1/3-stop increments. standard exposure, underexposure, and overexposure sequence. Repeated bracketing enabled according to current film advance mode. With self-timer, all three bracketed shots are taken in the continuous shooting mode regardless the film advance mode. (2) Manual exposure compensation: ±3 stops in 1/3-stop increments set with the Quick Control Dial or exposure compensation button and Main Dial. (3) AEB and manual exposure compensation can be set together.
AE Lock:	(1) Auto AE lock: Operates in One-Shot AF mode with evaluative metering when focus is achieved. (2) Manual AE lock: AE lock button activates AE lock in all metering modes.

Multiple exposures:	Max. 9 multiple exposures. Cancels automatically after all multiple exposures are taken. (Cancelable and resettable at any time.)
■ AF	
Type:	TTL-AREA-SIR with a CMOS sensor
Focusing points:	Area AF with 45 focusing points (Custom Function can limit this to 11)
AF working range:	EV 0-18 (at ISO 100)
Focusing modes:	(1) One-Shot AF: Autofocus stops when focus is achieved. AF lock enabled. Shutter releases only when focus is achieved. (2) Predictive AF with AI Servo AF: Tracks subject movement up to the start of exposure. Predictive AF enabled. The shutter can be released at anytime regardless of focus (predictive AF control takes effect during continuous shooting), no in-focus indicator (blinks at 8 Hz only if AF fails). (3) Manual focusing: Enabled with the focusing ring when the lens focus mode is set to MF (or M). (4) Manual focusing: Enabled with the electronic focusing ring during continuous shooting (except during film exposure).
In-focus indicator:	Lights in viewfinder (●) and beeps. (Beeper can be disabled.).
Focusing point selection:	(1) Automatic selection: Focusing point camera-selected. (2) Manual selection: Focusing point manually-selected. (3) Eye-Control selection: Focusing point eye-selected.
AF focusing point indicator:	Superimposed focusing point in viewfinder
AF-assist beam:	Emitted automatically by the attached EOS Speedlite when necessary.
■ Shutter	
Type:	Vertical-travel, focal-plane shutter with all speeds electronically-controlled.
Shutter speeds:	30 to 1/8000 sec. in 1/3-stops, X-sync at 1/200 sec.
Shutter release:	Soft-touch electromagnetic release
Self-timer:	Electronically-controlled with 10-sec. or 2-sec. delay. Lamp blinks (2 Hz, then 8 Hz for the remaining two sec.). Self-timer countdown on LCD panel. Self-timer cancelable by turning the main switch to L.

■ Film Transport	
Film loading:	Automatic loading with a sprocketless system. After film is loaded and the back is closed, the film advances to frame 1 automatically, taking about 1 sec.
Film advance system:	Automatic film advance with built-in motor. (1) EOS 3: Single □ and continuous 🖳 shooting. (2) With Power Drive Booster PB-E2: Single □, low continuous 🖳L, and high continuous 🖳H.
Shooting capacity:	No. of 24-ex. rolls / No. of 36-ex. rolls At 20°C: Approx. 75 /Approx. 50 At –20°C: Approx. 18 /Approx. 12 While using an EF 50mm f/1.4 USM lens, 1/1000 sec. shutter speed, Eye-Control, and continuous shooting mode, the following operations for each frame were executed: The lens was focused from infinity to the minimum distance and back, the shutter button was pressed halfway for 6 seconds, the picture was taken, and the settings were retained for 2 seconds. This operation cycle was repeated in continuous shooting mode and high-speed film rewind was used at the end of each roll.
Film rewind system:	At the end of the roll, automatic film rewind with a built-in motor. Midroll rewind possible.
Film rewind time:	Approx. 4.5 sec. for 24-ex. film and approx. 6.5 sec. for 36-ex. film
Rewind noise:	59 dB (High-speed rewind), 49 dB (Silent rewind)
■ Camera Specifications	
Flash contacts:	(1) Hot shoe: X-sync direct contacts (2) Below camera back latch: JIS B-type socket (threaded) * Flash units connected to (1) and (2) can be used and fired simultaneously.
External Flash Unit Compatibility:	E-TTL autoflash, A-TTL autoflash, TTL autoflash
Custom Functions:	Eighteen user-settable Custom Functions: (0) Focusing screen characteristics, (1) Auto film rewind mode, (2) Film leader position after rewind, (3) Film speed setting method, (4) AF activation method, (5) Manual Tv/Av setting method, (6) Increments for shutter speed, aperture, exposure compensation, flash exposure compensation, and AEB, (7) Manual focusing with electronic focusing ring, (8) Frame

	counter, (9) AEB sequence, (10) Focusing point superimposed flashing, (11) Focusing point selection method, (12) Mirror lockup, (13) Spot metering linkage to focusing point, (14) Fill-in flash output control, (15) Shutter-curtain flash synchronization, (16) Safety shift for shutter speed priority-AE and aperture-priority AE, (17) Manual focusing point selection range.
LCD panel:	Displays shooting, metering, AF, and film advance modes; shutter speed, aperture, frame counter, and battery level. Illumination provided.
Remote control:	Quick-lock, three-pin remote control connector provided.
Power source:	(1) One 2CR5 lithium battery housed in the camera grip. (2) With Power Drive Booster PB-E2, 8 size-AA alkaline, Ni-Cd, or lithium batteries or Ni-MH Pack NP-E2. (Camera grip removed.) (3) With Battery Pack BP-E1, 1 2CR5 lithium battery and 4 size-AA alkaline or Ni-Cd batteries (Camera grip removed.)
Battery check:	With battery check button pressed, battery level displayed in four levels on LCD panel.
Camera back:	Interchangeable with Dateback DB-E2 (sold separately)
Dimensions:	161 (W) x 119.2 (H) x 70.8 (D) mm 6.3 (W) x 4.7 (H) x 2.8 (D) in.
Weight:	780 g / 27.5 oz. (excluding lithium battery)

• All data are based on Canon's Standard Test Method.
• Subject to change without notice.

Custom Function Symbols

Custom Function No.	Sticker 0	Sticker 1	Sticker 2	Sticker 3
CF-0	N	L		
CF-1	H	H	S	S
CF-2				
CF-3	ISO DX	ISO M		
CF-4	•AF •AEL	•AEL •AEAF	•AF •AFL	•AE •AEAF
CF-5	Tv Av	Av Tv	Tv AV	AV Tv
CF-6	1/3 STEP	1 STEP	1/2 STEP	
CF-7	AF MF	AF M	AF	
CF-8	1	36		

Custom Function No.	Sticker 0	Sticker 1	Sticker 2	Sticker 3
CF-9				
CF-10				
CF-11				
CF-12				
CF-13				
CF-14				
CF-15				
CF-16	SS	SS		
CF-17				

- A sticker is provided for the Custom Functions. Affix it to the side door on the inside.
- For details on CustomFunctions, see pages 106 to 121 .