

Canon

EOS 20D

DIGITAL



Exif Print

DPOF

PictBridge

DIRECT
PRINT

BUBBLE JET
DIRECT

ENGLISH

INSTRUCTION
MANUAL

Canon EOS 20D DIGITAL

INSTRUCTION MANUAL

Thank you for purchasing a Canon product.

The EOS 20D is a high-performance, digital AF SLR camera with a large, fine-detail, 8.20-megapixel CMOS sensor. The camera has nine high-precision AF points and it is compatible with all Canon EF lenses (including the EF-S lens). Designed for quick shooting at anytime, the camera has many features for all types of photography, from fully automatic snapshooting to professional-level, creative work.

Before using the camera, try it out while reading this Instruction Manual to familiarize yourself with camera operations.

To prevent accidents and damage, read the Safety Warnings (p.6,7) and Handling Precautions (p.8,9).

Test the Camera Before Using

Before using the camera, take a few test shots and check that the images are properly recorded on the memory card.

If the camera or memory card is faulty and the images cannot be recorded or read by a personal computer, Canon cannot be held liable for any loss or inconvenience caused.

Copyrights

Copyright laws in your country may prohibit the use of your recorded images of people and certain subjects for anything but private enjoyment. Also be aware that certain public performances, exhibitions, etc., may prohibit photography even for private enjoyment.

- Canon and EOS are trademarks of Canon Inc.
- Adobe and Photoshop are trademarks of Adobe Systems Incorporated.
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- All other corporate names and trademarks mentioned in this manual are the property of their respective owners.

* This digital camera supports Design rule for Camera File System 2.0 and Exif 2.21 (also called "Exif Print"). Exif Print is a standard that enhances compatibility between digital cameras and printers. By connecting to an Exif Print-compliant printer, the shooting information is incorporated to optimize the print output.

Item Check List

Check that all the following items have been included with your camera. If anything is missing, contact your dealer.

-
- ☐ **EOS 20D** / Camera body (with Eyecup, body cap and lithium backup battery for the date and time)
 - ☐ **EF-S18-55mm f/3.5-5.6** / Lens (with lens cap and dust cap) * Lens kit only.
 - ☐ **Battery Pack BP-511A** (with protective cover)
 - ☐ **Battery Charger CG-580/CB-5L** * CG-580 or CB-5L is included.
 - ☐ **Power code for battery charger** * For CB-5L.
 - ☐ **Interface Cable IFC-400PCU**
 - ☐ **Video Cable VC-100**
 - ☐ **Wide Strap EW-100DGR** (with eyepiece cover)
-
- ☐ **EOS DIGITAL Solution Disk** (CD-ROM)
 - ☐ **Digital Photo Professional Disk** (CD-ROM)
 - ☐ **Adobe Photoshop Elements Disk** (CD-ROM)
-
- ☐ **Pocket Guide**
Quick start guide to shooting.
 - ☐ **EOS 20D INSTRUCTION MANUAL** (this booklet)
 - ☐ **Installing the Software Correctly**
Explains the software installation procedure and software features.
 - ☐ **EOS 20D Software Instruction Manual**
Explains the procedure for transferring images to a personal computer and for RAW image processing.
 - ☐ **Battery Pack BP-511A Instructions**
 - ☐ **Lens Instructions** *Lens Kit only.
-
- ☐ **Warranty card of camera**
 - ☐ **Warranty card of lens** *Lens Kit only.
-

* Be careful not to lose any of the above items.

* **No CF card (for recording images) is included.** Please purchase it separately. CF cards made by Canon are recommended.

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Safety Warnings

Follow these safeguards and use the equipment properly to prevent injury, death, and material damage.

Preventing Serious Injury or Death

- To prevent fire, excessive heat, chemical leakage, and explosions, follow the safeguards below:
 - Do not use any batteries, power sources, and accessories not specified in this booklet. Do not use any home-made or modified batteries.
 - Do not short-circuit, disassemble, or modify the battery pack or back-up battery. Do not apply heat or apply solder to the battery pack or back-up battery. Do not expose the battery pack or back-up battery to fire or water. And do not subject the battery pack or back-up battery to strong physical shock.
 - Do not install the battery pack or back-up battery in reversed polarity (+ -). Do not mix new and old or different types of batteries.
 - Do not recharge the battery pack outside the allowable ambient temperature range of 0°C - 40°C (32°F - 104°F). Also, do not exceed the recharging time.
 - Do not insert any foreign metallic objects into the electrical contacts of the camera, accessories, connecting cables, etc.
- Keep the back-up battery away from children. If a child swallows the battery, consult a physician immediately. (Battery chemicals may harm the stomach and intestines.)
- When disposing of a battery pack or back-up battery, insulate the electrical contacts with tape to prevent contact with other metallic objects or batteries. This is to prevent fire or an explosion.
- If excessive heat, smoke, or fumes are emitted during battery pack recharging, immediately unplug the battery charger from the power outlet to stop the recharging and prevent a fire.
- If the battery pack or back-up battery leaks, changes color, deforms, or emits smoke or fumes, remove it immediately. Be careful not to get burned in the process.
- Prevent any battery leakage from contacting your eyes, skin, and clothing. It can cause blindness or skin problems. If the battery leakage contacts your eyes, skin, or clothing, flush the affected area with lots of clean water without rubbing it. See a physician immediately.
- During the recharging, keep the equipment away from the reach of children. The cord can accidentally choke the child or give an electrical shock.
- Do not leave any cords near a heat source. It can deform the cord or melt the insulation and cause a fire or electrical shock.
- Do not fire the flash at someone driving a car. It may cause an accident.
- Do not fire the flash near a person's eyes. It may impair the person's vision. When using flash to photograph an infant, keep at least 1 meter away.
- Before storing the camera or accessory when not in use, remove the battery pack and disconnect the power plug. This is to prevent electrical shock, heat generation, and fire.
- Do not use the equipment where there is flammable gas. This is to prevent an explosion or fire.

-
- If you drop the equipment and the casing breaks open to expose the internal parts, do not touch the internal parts due to the possibility of electrical shock.
 - Do not disassemble or modify the equipment. High-voltage internal parts can cause electrical shock.
 - Do not look at the sun or an extremely bright light source through the camera or lens. Doing so may damage your vision.
 - Keep the camera from the reach of small children. The neck strap can accidentally choke the child.
 - Do not store the equipment in dusty or humid places. This is to prevent fire and electrical shock.
 - Before using the camera inside an airplane or hospital, check if it is allowed. Electromagnetic waves emitted by the camera may interfere with the plane's instruments or the hospital's medical equipment.
 - To prevent fire and electrical shock, follow the safeguards below:
 - Always insert the power plug all the way in.
 - Do not handle a power plug with wet hands.
 - When unplugging a power plug, grasp and pull the plug instead of the cord.
 - Do not scratch, cut, or excessively bend the cord or put a heavy object on the cord. Also do not twist or tie the cords.
 - Do not connect too many power plugs to the same power outlet.
 - Do not use a cord whose insulation has been damaged.
 - Occasionally unplug the power plug and use a dry cloth to clean off the dust around the power outlet. If the surrounding is dusty, humid, or oily, the dust on the power outlet may become moist and short-circuit the outlet to cause a fire.
-

Preventing Injury or Equipment Damage

-
- Do not leave equipment inside a car under the hot sun or near a heat source. The equipment may become hot and cause skin burns.
 - Do not carry the camera around while it is attached to a tripod. Doing so may cause injury. Also make sure the tripod is sturdy enough to support the camera and lens.
 - Do not leave a lens or lens-attached camera under the sun without the lens cap attached. Otherwise, the lens may concentrate the sun's rays and cause a fire.
 - Do not cover or wrap the battery-recharging apparatus with a cloth. Doing so may trap heat within and cause the casing to deform or catch fire.
 - If you drop the camera in water or if water or metal fragments enter inside the camera, promptly remove the battery pack and back-up battery. This is to prevent fire and electrical shock.
 - Do not use or leave the battery pack or back-up battery in a hot environment. Doing so may cause battery leakage or a shorter battery life. The battery pack or back-up battery can also become hot and cause skin burns.
 - Do not use paint thinner, benzene, or other organic solvents to clean the equipment. Doing so may cause fire or a health hazard.
-

If the product does not work properly or requires repair, contact your dealer or your nearest Canon Service Center.

Handling Precautions

Camera Care

- This camera is a precision instrument. Do not drop it or subject it to physical shock.
- The camera is not waterproof and cannot be used underwater. If you accidentally drop the camera into water, promptly consult your nearest Canon Service Center. Wipe off any water droplets with a dry cloth. If the camera has been exposed to salty air, wipe with a well-wrung wet cloth.
- Never leave the camera near anything having a strong magnetic field such as a magnet or electric motor. Also avoid using or leaving the camera near anything emitting strong radio waves such as a large antenna. Strong magnetic fields can cause camera misoperation or destroy image data.
- Do not leave the camera in excessive heat such as in a car in direct sunlight. High temperatures can cause the camera to malfunction.
- The camera contains precision electronic circuitry. Never attempt to disassemble the camera yourself.
- Use a blower to blow away dust on the lens, viewfinder, mirror, and focusing screen. Do not use cleaners that contain organic solvents to clean the camera body or lens. For stubborn dirt, take the camera to a Canon Service Center.
- Do not touch the camera's electrical contacts with your fingers. This is to prevent the contacts from corroding. Corroded contacts can cause camera misoperation.
- If the camera is suddenly brought in from the cold into a warm room, condensation may form on the camera and internal parts. To prevent condensation, first put the camera in a sealed plastic bag and let it adjust to the warmer temperature before taking it out of the bag.
- If condensation forms on the camera, do not use the camera. This is to avoid damaging the camera. If this occurs, remove the lens, CF card and battery from the camera, and wait until the condensation has evaporated before using the camera.
- If the camera will not be used for an extended period, remove the battery and store the camera in a cool, dry, well-ventilated location. Even while the camera is in storage, press the shutter button a few times once in a while to check that the camera is still working.
- Avoid storing the camera where there are corrosive chemicals such as a darkroom or chemical lab.
- If the camera has not been used for an extended period, test all its functions before using the camera. If you have not used the camera for some time or if there is an important shoot coming up, have the camera checked by your Canon dealer or check the camera yourself and make sure it is working properly.

LCD Panel and LCD Monitor

- Although the LCD monitor is manufactured with very high precision technology with over 99.99% active pixels, there might be a few dead pixels among the remaining 0.01% or less pixels. Dead pixels displaying only black or red, etc., are not a malfunction. They do not affect the images recorded.
- At low temperatures, the liquid-crystal display response may become slower. And at high temperatures, the display may blacken. In either case, the display will return to normal at room temperature.

CF Card

- The CF card is a precision device. Do not drop the memory card or subject it to vibration. Doing so could damage the images recorded on them.
- Do not store or use a memory card near anything having a strong magnetic field such as a TV set, speakers, or magnet. Also avoid places prone to having static electricity. Otherwise, the images recorded on the CF card might be lost.
- Do not leave memory cards in direct sunlight or near a heat source. Doing so can warp the cards and make them unusable.
- Do not spill any liquid onto the CF card.
- Always store your CF cards in a case to protect the data stored on them.
- Non-Canon CF cards may not be able to record and playback images. Using Canon CF cards is recommended.
- Do not bend the card or subject it to any excessive force or physical shock.
- Do not store CF cards in hot, dusty, or humid locations.

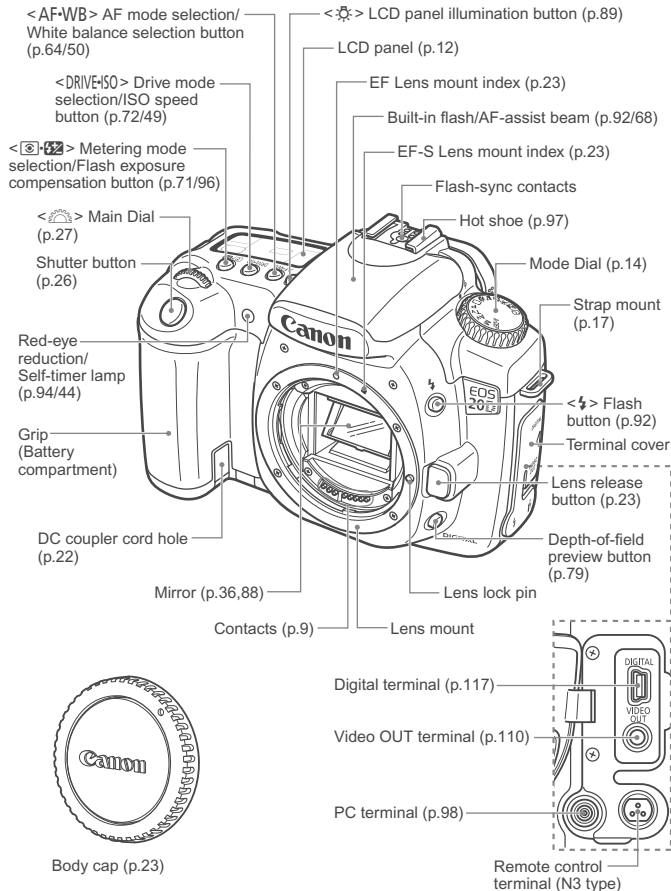
Lens Electrical Contacts

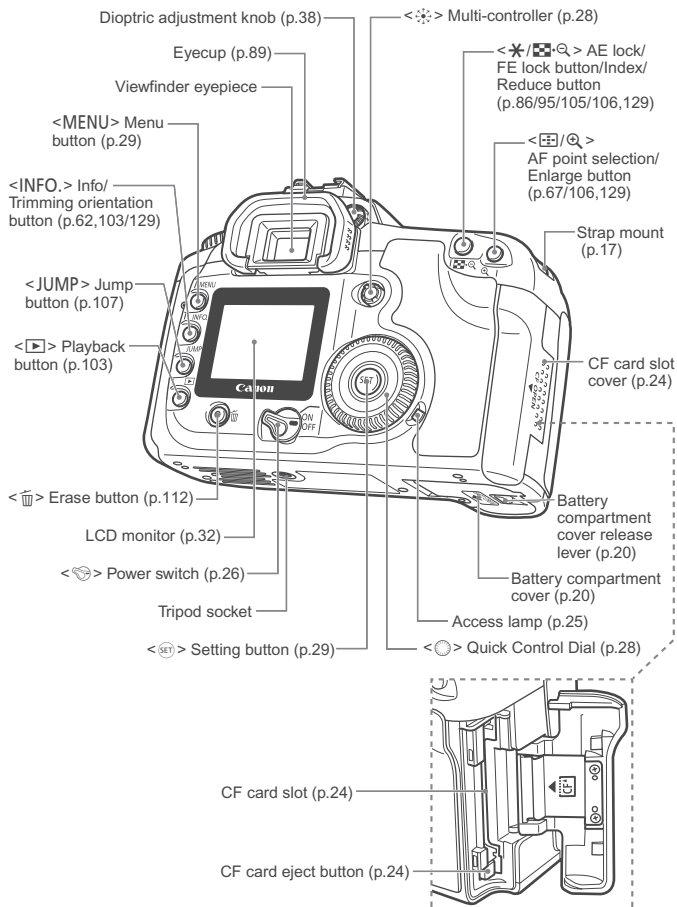
After detaching the lens from the camera, attach the lens caps or put down the lens with the rear end up to avoid scratching the lens surface and electrical contacts.



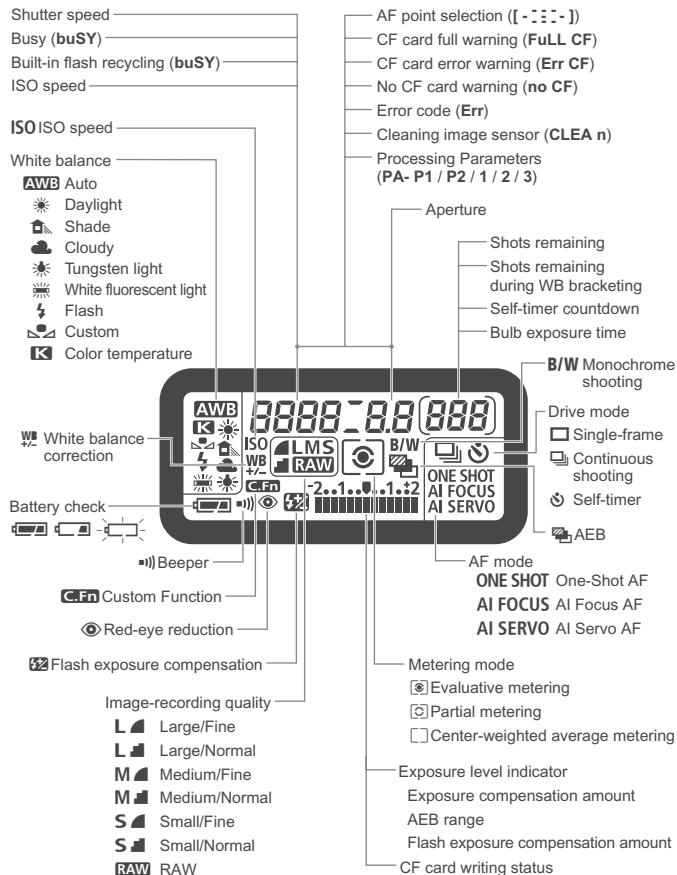
Nomenclature

For detailed information, reference page numbers are provided in parentheses (p.**).



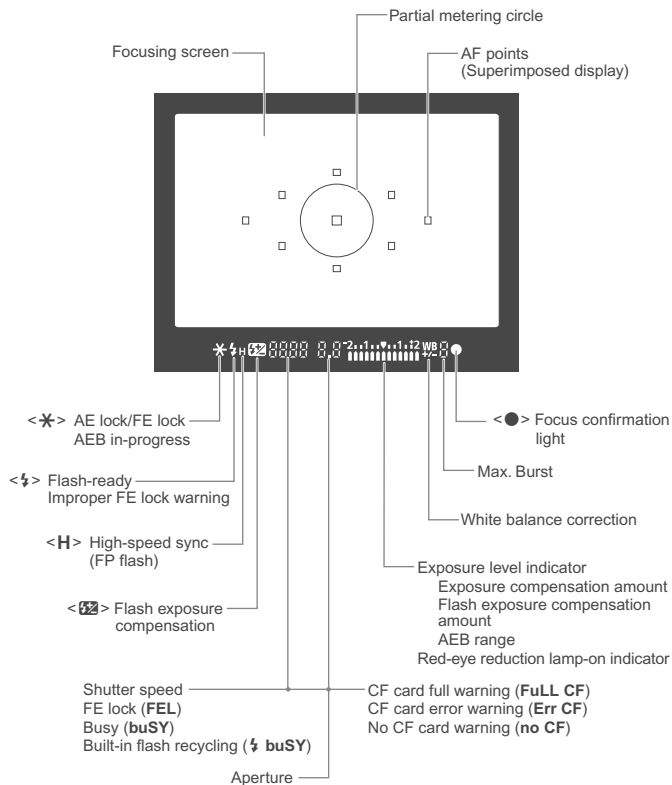


LCD Panel



The actual display will show only the applicable items.

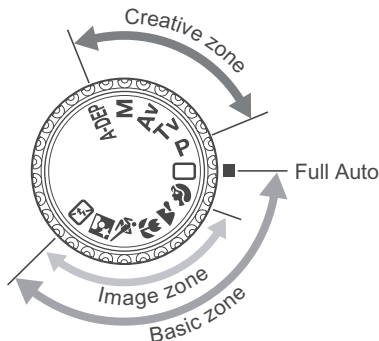
Viewfinder Information



The actual display will show only the applicable items.

Mode Dial

The Mode Dial is divided into two function zones.



① Basic Zone

All you do is press the shutter button.

 : **Full Auto** (p.40)

For fully automatic shooting.

Image Zone

Allows you fully automatic shooting for specific subjects.


 : **Portrait** (p.42)

 : **Landscape** (p.42)

 : **Close-up** (p.42)

 : **Sports** (p.43)

 : **Night Portrait** (p.43)

 : **Flash Off** (p.43)

② Creative Zone

Set the camera as you wish.

P : **Program AE** (p.74)

Tv : **Shutter-priority AE**
(p.76)

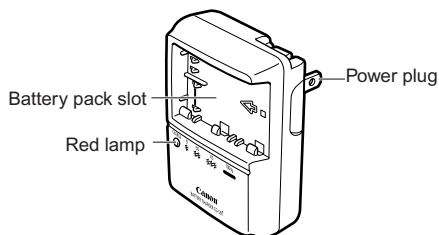
Av : **Aperture-priority AE**
(p.78)

M : **Manual exposure** (p.80)

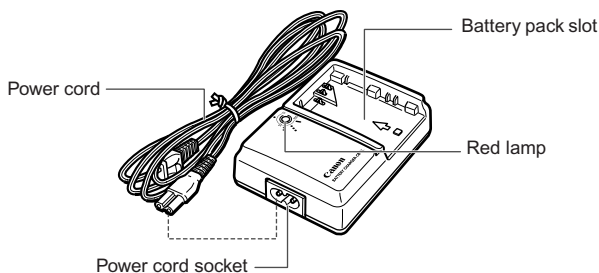
A-DEP : **Automatic Depth-of-field
Preview** (p.82)

Battery Charger CG-580

This is a battery pack charger. (p.18)

**Battery Charger CB-5L**

This is a battery pack charger. (p.18)



Conventions Used in this Manual



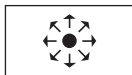
- In the text, the <🔌> icon indicates the power switch.
- All operations described in this manual assume that the <🔌> switch is set to <ON> or <🔌>.



- The <⚙️> icon indicates the Main Dial.



- The <🕒> icon indicates the Quick Control Dial.
- Operations with the <🕒> dial assume that the <🔌> switch is already set to <🔌>. Be sure it is set to <🔌>.



- In the text, the <🎮> icon indicates the Multi-controller.



- In the text, the <⚙️> icon indicates the SET button. It is used for menu functions and Custom Functions.

- In this manual, the icons and markings indicating the camera's buttons, dials, and settings correspond to the icons and markings on the camera.
- For more information, reference page numbers are provided in parentheses (p.**).
- The asterisk ★ on the right of the page title indicates that the respective feature is available only in Creative Zone modes (**P**, **Tv**, **Av**, **M**, **A-DEP**).
- The Canon EF-S17-85mm f/4-5.6 IS USM lens is used as the sample lens in this Instruction Manual.
- The procedures assume that the menu settings and Custom Functions are set to the default settings.
- The **MENU** icon indicates that the setting can be changed with the menu.
- (🕒4), (🕒6) or (🕒16) indicates that the respective function remains active for 4 sec., 6 sec., or 16 sec. respectively after you let go of the button.
- This manual uses the following alert symbols:

⚠️ : The Caution symbol indicates a warning to prevent shooting problems.

📖 : The Note symbol gives supplemental information.