データバック FN , A

使用説明書

Data Back FN and A

Instructions

Dos-dateur FN et A

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Datenrückteil FN und A

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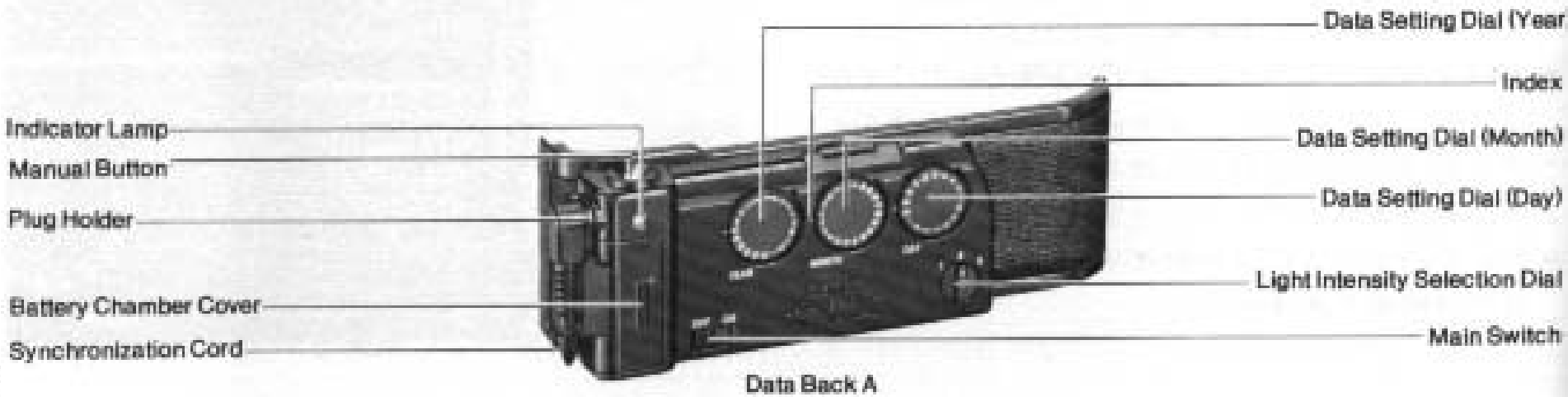
Tapa clasificadora FN y A

Instrucciones

Instructions

Canon Data Backs FN and A are data-recording accessories which replace the back covers of Canon SLRs. Data Back FN is designed for use with the New Canon F-1; Data Back A is for the Canon A-1, AE-1 PROGRAM, AE-1 or AT-1. In addition to the year, month, and day, the letters A to G in both upper and lower case and Roman numerals I to X may be imprinted in up to six characters on the film. Not only can these accessories be used for recording the date on photograph; they may also be used for scientific and other coding purposes.



Data Back A

Specifications

Compatible with: New Canon F-1 (Data Back FN); Canon A-1, AE-1 PROGRAM, AE-1 or AT-1 (Data Back A)

Attachment: By exchange with camera's back cover.

Data Setting: By rotation of three data dials.

Data Setting Dials:

Right Dial (Day)	32 digits and two blanks. (□□*, 0—31)
Central Dial (Month)	39 characters and one blank (□, 0—31, A—G)
Left Dial (Year)	39 characters and one blank (□, 0—9, 82—93, I—X, a—g)

* □ denotes a blank on film.

Data Recording: Data are automatically recorded in lower right-hand corner of frame by a built-in flash unit at shutter release. A separate button is provided for manual data exposure.

Synchronization: Data Back FN—Cordless; automatic at shutter release via a direct contact. Data Back A—Automatic at shutter release with connection of synchronization cord.

Adjustment of Light Intensity: By setting dial to one of three positions according to type of film.

Indicator Lamp: Neon pilot lamp lights up to indicate data back is ready for firing.

Power Source: One 6V alkaline-manganese (Eveready [UCAR] No. A544), lithium (Duracell PX28L) or silver oxide (Eveready [UCAR] No. 544) battery.

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Battery Life: Approximately 2,000 flashes. Approximately 1,000 flashes when using a power winder for sequential shooting at 2 fps. (Using new alkaline-manganese battery at normal temperatures.)

Main Switch: OFF-ON. When set to OFF, indicator lamp goes out and no data will be recorded.

Dimensions and Weight: Data Back FN—101.9mm (W) ×47.9mm (H) ×13.8mm (D) [4" ×1-7/8" ×9/16"] 170g [6 ozs.] (including battery). Data Back A—103mm (W) ×48.5mm (H) ×14mm (D) [3-15/16"1-15/16" ×9/16"] 160g [5-5/8 ozs.] (including battery).

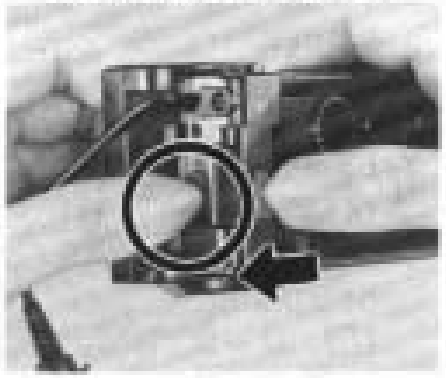
Accessory: Case

Subject to change without notice.

Loading the Battery

Use one new 6V alkaline-manganese, lithium or silver oxide battery (examples are given in the Specifications, p. 13). Before loading the battery, wipe its contacts with a clean, dry cloth to prevent corrosion from dirt or fingerprints.

1. Press the battery chamber cover latch in the direction of the arrow and remove the cover by sliding it to the left.

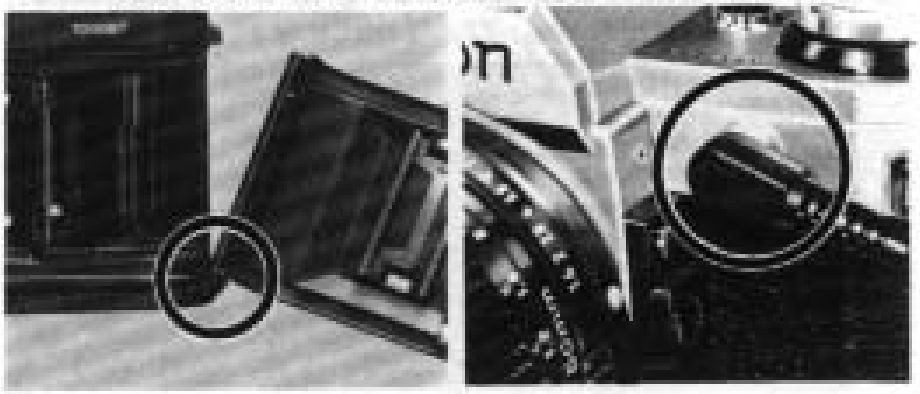


2. Insert the battery so that its terminals are in the directions indicated by the diagram inside the battery chamber.
3. Slide the cover along the guide rails until it locks in place.

Attaching the Data Back to the Camera

1. Make sure there is no film loaded in the camera.
2. Then open the back cover of the camera and, pushing down the hinge release pin, swing the cover's upper end outward and pull out the lower end. To attach the data back, follow the reverse procedure. First insert its lower hinge into the lower socket. Then, depressing the hinge release pin, align the upper socket and release the pin to lock it in place.
3. After the data back is attached, load the film as usual and close the data back. Data Back FN is ready to be used.
4. DATA BACK A ONLY. After loading the film and closing the data back, pull the synchronization cord out of its holder and insert it into the camera's PC socket.

Note: Data Backs FN and A are removed exactly as the camera's back cover was removed.



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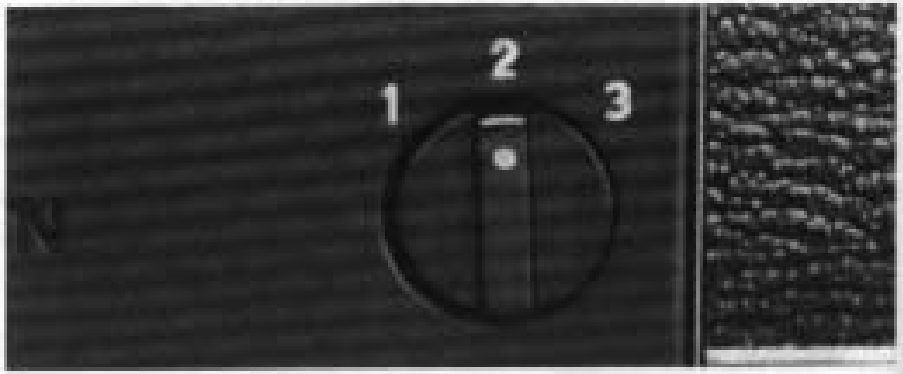
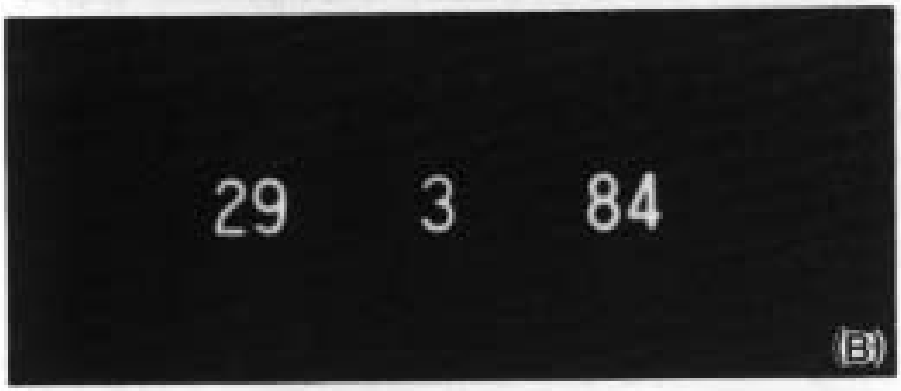
Light Intensity Adjustment

The data back's recording mechanism is essentially a small flash which records data through the back of the film. The flash intensity required, therefore, varies according to the thickness of the film base and the characteristics of the film's anti-halation backing.

To adjust the light intensity to the film, set the intensity selection dial according to the information in the following table. The settings recommended in this table are general guidelines. For optimum light intensity adjustment, it is recommended to test-shoot the particular film you are using, changing the setting of the selection dial.

Film \ Setting on Dial	1	2	3
Color	ISO/ASA 200-400	ISO/ASA 64-160	ISO/ASA 25-50
Black & White	ISO/ASA 125-400	ISO/ASA 25-100	—





Setting the Data

To set the data, turn each of the three data dials until the desired data are aligned with each index. The dials are marked left to right as "Year," "Month," and "Day." The order, however, will actually be reversed to day-month-year on the photo. For example, to set the date of March 29, 1984, adjust the dials as shown in photo (A). The date will be shown on the print as in photo (B). Because both the "Month" and "Day" dials have numerical settings from 0—31, the month or day may be set on either dial. If you wish to reverse the order, attach the "Month" and "Day" stickers below the corresponding dials as a reminder.

In addition to numbers, the "Year" and "Month" dials have both capital and small letters and Roman numerals. These symbols are very handy for coding prints for a variety of purposes.

Each dial also has at least one blank (□ symbol). When the dial is set to the □ symbol, the space for that particular data will be left blank on the photo. If all three dials are set to the blanks, nothing will be recorded on the picture even if the data back's main switch is ON and the indicator lamp is glowing.

Position of Recorded Data

The data are recorded in the lower right-hand corner of the photograph. The characters are imprinted within three rectangular areas. With the Data Back FN, each area is 0.7mm (H) by 0.9mm (W) on the film frame. With the Data Back A, each area is 0.8mm (H) by 1mm (W) on the film frame.

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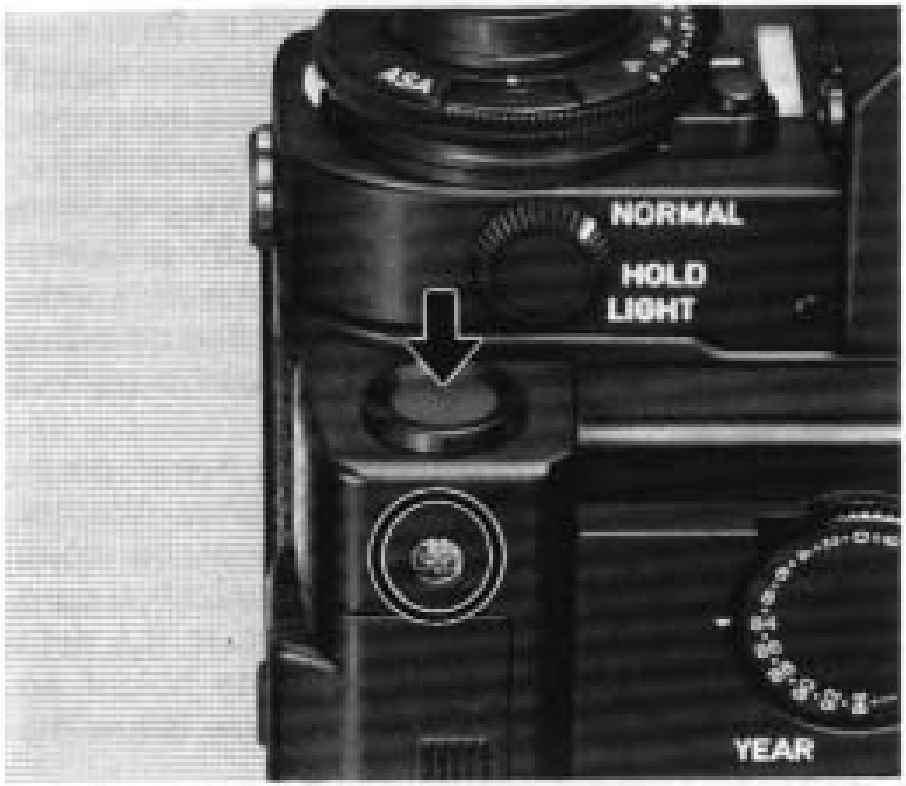
Notes

1. Turn the main switch OFF when the data back is not in use; otherwise, the battery will be drained.
2. When the battery is removed from the camera, the New F-1 automatically switches to mechanical operation.
   Automatic recording becomes impossible because the necessary signal will not transmit to the Data Back FN.
   However, the data can be recorded manually by pressing the manual button.
3. Remove the battery from the data back if it will not be used for about three weeks or longer.

Manual Recording

The Data Backs FN and A are provided with a button for manual data recording. This button may be pressed to record the data whenever the indicator lamp is glowing. Use of this button enables data recording with the New F-1 even when there is no battery in the camera.

It may also be used if, after taking a picture without recording any data, you decide you want to record data after all. In this case, switch the data back ON and, after the indicator lamp glows, press the manual button before advancing the film.



Use with Flash

1. **Flash Photography with Data Back FN (New F-1)**
   A direct contact provides the necessary coupling between the Data Back FN and the camera and allows synchronous data recording. Automatic data recording is possible when using the Data Back FN with direct contact-type flash units (e.g. Canon Speedlites). Moreover, automatic data recording also takes place when using the data back with cord-type flash units connected through the camera's PC socket. With the above two types of flash units, the Data Back FN will automatically record data when the shutter button is released, provided the data back is ON and its indicator lamp is glowing.

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2. Flash Photography with Data Back A (A-1, AE-1 PROGRAM, AE-1, AT-1)

Automatic data recording is possible with the Data Back A when using direct contact-type flash units (e.g. Canon Speedlites). Insert the data back's synchronization cord into the camera's PC socket as usual, and follow the normal procedures for automatic data recording.

Automatic data recording with a cord-type flash is possible only by inserting the optional Hot Shoe Adapter between the camera's hot shoe and the flash. Plug the synchronization cord of the flash into the camera's PC socket and the data back's synchronization cord into the Hot Shoe Adapter's socket or vice versa. Data imprinting takes place automatically with the flash when the shutter button is released, provided the data back is ON and its indicator lamp is glowing.

Be careful not to press the flash test button when a flash unit (either the direct contact type, or the cord type attached to the hot shoe via the Hot Shoe Adapter) is mounted on the hot shoe and the data back is turned ON. By pressing the flash test button with this connection, data imprinting will take place. Also, please note that a direct contact flash having a negative central terminal is unusable.

You may also use the Data Back A with cord-type flash units without the Hot Shoe Adapter attached, but data recording must be done manually. Plug the flash's synchronization cord into the camera's PC socket. Return the data back's synchronization cord to its holder so that it does not get in the way. Now follow the procedure for manual recording.

Use with a Power Winder at Low Temperatures

Data Backs FN and A couple completely with Canon Power Winders in both single-frame power winding and continuous shooting at about two frames per second at normal temperatures. Continuous shooting, however, is impossible at temperatures below 0°C (32°F) due to a decline in battery performance. Single-frame power winding with automatic imprinting is possible, though, once the indicator lamp lights up. It is advisable to load a new battery when shooting at low temperatures. However, do not throw the original battery away. Alternate the two batteries, keeping the one that is not in use warm.

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