PENTAX
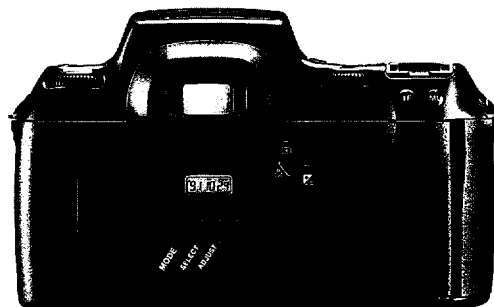
Thank you very much for purchasing the PENTAX Data Back FD. The Data Back FD is a special camera back which allows you to record data information on your photographs. Replacing the standard camera back, this Data Back has five modes, allowing you to print the selected data clearly on the film. Please read this operating manual carefully before using.

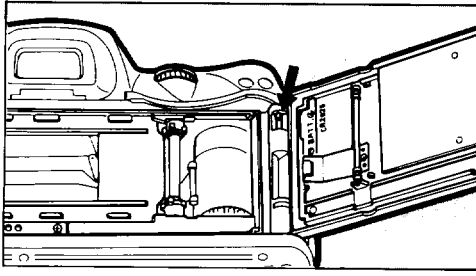The Data Back FD comes supplied with a factory-supplied sample battery.
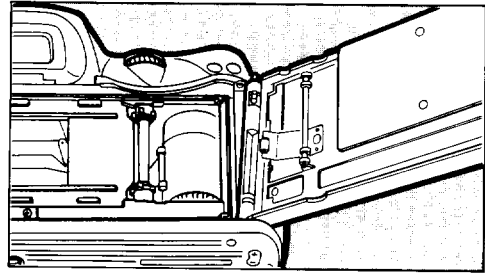

SPECIFICATION

Camera	Pentax Z-1/PZ-1
Data printout	7-segment, 6-digit liquid crystal display (LCD)
Printout confirmation	"—" indication blinks for a few seconds in LCD panel
Printout position	On the lower right corner of the picture positioned horizontally
Character size	Approx. 0.75(H) × 0.45(W) mm
Printing modes	year/month/day, day/month/year, month/day/year, day/hour/minute, and "-- -- --" (blank).

Year (87~19) = 1987~2019   Hour = 0~23
Month (1~12) = Jan.~Dec.   Minute = 00~59
Day = 1~31

Film speed	ISO 25-1600
Power source	CR 2025 (lithium battery)
Number of prints	Approx. 5,000
Size	138(W)×58.8((H)×20(W)mm("5.4"(W)×"2.3"(H)×"0.8"(W))
Weight	58.3g. (2.1 oz.) without battery
Accessory	Special case

SPECIFICATIONS ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTIFICATION OR ANY OBLIGATION ON THE PART OF THE MANUFACTURER.

To replace the standard camera back with the Data Back Fᴅ, open the camera back and then tilt it outward while pressing the back-cover-release pin to remove it. Store the removed camera back in the supplied case to protect it from being damaged.
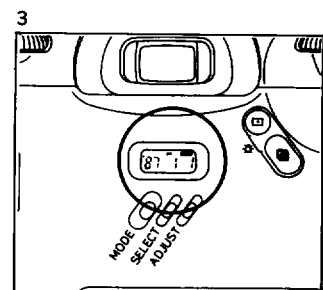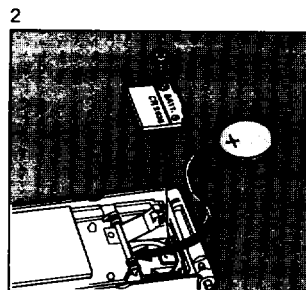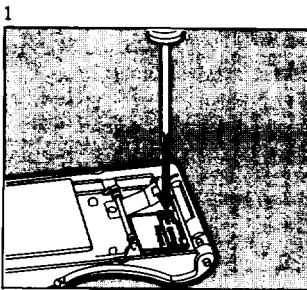
Install the Data Back Fᴅ, first fitting its lower hinge pin to the camera, then its top hinge pin while pressing on the back-cover-release pin. Then, release the back-cover-release pin to secure it in place.

Note:

Avoid touching the glass surfaces of the data recording window to protect against possible damage from finger-prints, dust, grit and grease. Use a blower or camel's hair brush to remove the dirt and dust on the window.

INSERTING THE BATTERY

Remove the Data Back Fᴅ from the camera body before replacing the battery. The removal proce-dure is as explained above.

1. Loosen the battery cover fixing screw with a Phillips screwdriver, and then remove the battery chamber cover.

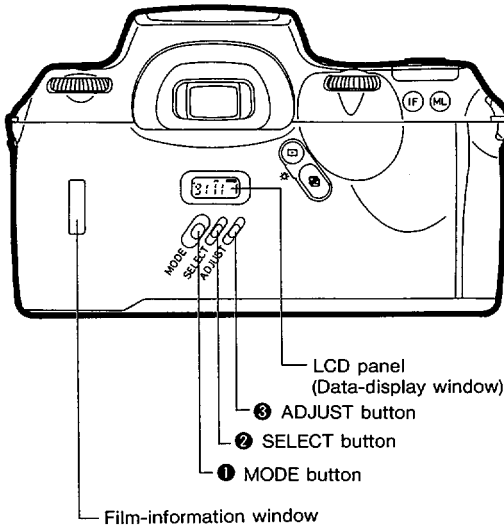2. Replace the old battery with a new battery with the + side facing up.
   Reinstall the battery chamber cover, and tight-en the battery cover fixing screw.

3. If the data indication does not appear in the LCD panel, it means that the battery has not been inserted properly or the battery is low.

   After the battery is inserted, adjust the data by following the adjustment procedures described on next page.

● The Data Back Fᴅ uses one lithium battery, type CR 2025.

The correct time is entered via three buttons located on the Data Back. The time setting appears in the LCD panel. Carefully push these buttons with a coin or your fingernail.

LCD panel
(Data-display window)
❸ ADJUST button
❷ SELECT button
❶ MODE button
Film-information window

* **Numerical indication**

Year	= 87-19 (1987-2019)
Month	= 1-12
Day	= 1-31
Time	= 0-23
Minute	= 00-59

Correcting the data

1. At each press of the SELECT button ❷, a different category of digits in the LCD panel blinks. Press the SELECT button ❷ until you reach the blinking digit(s) you want to change. The digit(s) will repeat their cycle in the following order as you press the SELECT button ❷.

Date: Year→Month→Day
Time: Hour→Minute→:(Second)

2. Press the ADJUST button ❸ to change digits of the specified category you chose with the SELECT button ❷. Digits increase by one each time you press the ADJUST button ❸. Holding down the button will bring on continuous digit advance.
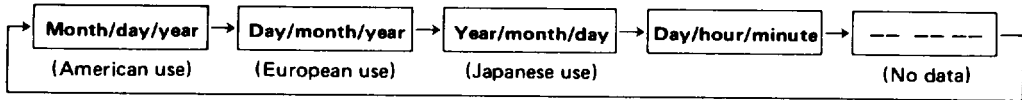
Adjusting the data

1. Press the SELECT button ❷ to make the year, month or day you want to change blink.
2. Change the data with the ADJUST button ❸.
3. Press the SELECT ❷ button to stop the digit from blinking, after you have changed the data. The adjusted data has now been entered.

Adjusting the hour/minute

1. Press the SELECT button ❷ to make the hour, minute or second (:) you want to change blink.
2. Change the data (hour or minute) with the ADJUST button ❸.
   To change the second (:), press the SELECT button ❷ until ":" will blink. And press the ADJUST button in sync with a time signal to set the second to zero.
3. Press the SELECT ❷ button to stop the adjusted hour/minute from blinking. The adjusted data has now been entered. The bar mark "—" appears on the LCD panel, indicating that data imprinting choices are possible.

At each press of the MODE button ❶, the mode in the LCD panel switches as shown in the chart. When the desired data mode appears in the panel, release the button. "------" indicates no data will be imprinted.

Month/day/year	→	Day/month/year	→	Year/month/day	→	Day/hour/minute	→	-- -- --
(American use)		(European use)		(Japanese use)				(No data)

Notes:
- "M" on the LCD panel indicates "Month".
- As the shutter is released, the bar mark "—" in the display blinks for a few seconds, indicating that the data has been imprinted.

OPERATIONAL PRECAUTIONS

- The data on the LCD panel is imprinted on each frame you expose.
- "Year-Month-Day" and "Day-Hour-Minute" cannot both be imprinted at the same time.
- The working temperature for data printing is 0-50°C.
- Use DX-coded films with ISO retings from 25-1600. When such film is loaded, the film speed is automatically set by the camera.
- If high-speed film with an ISO rating of 1000-1600 is used, the imprinted characters may blur.
- If film with an ISO rating of 50 or lower is used, the printed characters may be dark or dim.
- If you release the shutter while the blinking data is being corrected, the data cannot be imprinted even if the shutter is released.
- The Data Back Fᴅ operates on a 3V lithium battery, type CR2025. The battery will last for approx. 3 years. If the data on a picture becomes invisible, replace the battery.

- Never try to break up or rechage the battery. Also, do not dispose of the battery in fire, as the battery may explode.
- Always keep the battery out of the reach of children.
- If the corner of the picture where the data is imprinted has a white or yellow object, the data may be difficult to see. When composing your photographs, try to avoid brightly-colored subjects in that corner.

Photographed on October 1, 1991