Command Back 70/80

Canon
COMMAND BACK
JAPAN

INTERVAL   TIMER
SELF   EXP(BULB)
ISO   FRAMES
       REC
BATTERY
DATA   ◄05   320

MODE SELECT-SET   ISO   FUNCT START
                            STOP/C

E

Canon

INSTRUCTIONS
English Edition

Table of Contents

When reading these instructions, unfold the flap of this booklet for easy reference to the command back's function.
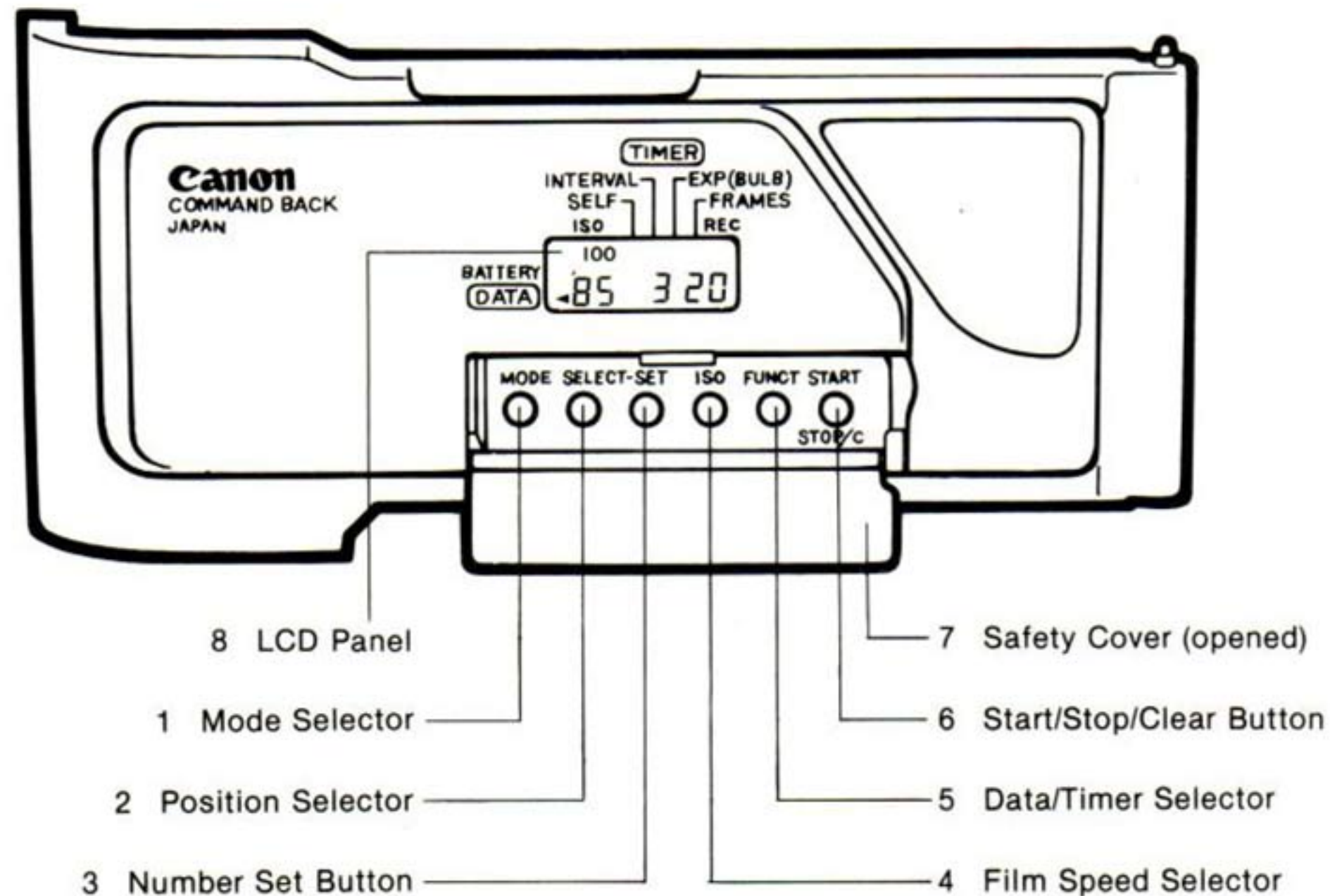
2. Basic Functions of Control Buttons

The basic functions of the Command Back's various control buttons are as follows:

1	Mode Selector—Selects the modes in either the data recording function or the timer control function.	4	Film Speed Selector—Sets data exposure brightness according to the film speed in use (3 levels).
2	Position Selector—Selects the digit to be set or reset when changing numbers in the various modes.	5	Data/Timer Selector—Switches between the data recording function and the timer control function.
3	Number Set Button—Sets the desired numbers.	6	Start/Stop/Clear Button—• Starts operation in the timer control function. • Manually stops operation in the timer control function. • Clears values when the digit is flashing.

8 LCD Panel

1 Mode Selector

2 Position Selector

3 Number Set Button

7 Safety Cover (opened)

6 Start/Stop/Clear Button

5 Data/Timer Selector

4 Film Speed Selector

Labels in five languages are provided. Please attach the one in your language to the inside of the safety cover.

3. Function Displays

- All displays are shown below but normally only the information needed at the time is displayed.

Self-timer mode indicator

Film speed indicator

Year indicator (for Year/Month/Day display)

Battery replacement warning indicator

Interval timer mode indicator

Long release timer mode indicator

Frame counter setting mode indicator

(TIMER)

INTERVAL┐ ┌EXP(BULB)
SELF┐ ┌FRAMES
ISO REC

25400 ▲ ▲ ▲ ▲ ●

BATTERY ◄
(DATA) ◄88:88:88

Exposure confirmation indicator

Year indicator (for Month/Day/Year and Day/Month/Year display)

Data recording function indicator

Colon: during the timer control function

7-segment, 6-digit LCD display

Colon: during the time mode

4. Attaching the Command Back to the Camera
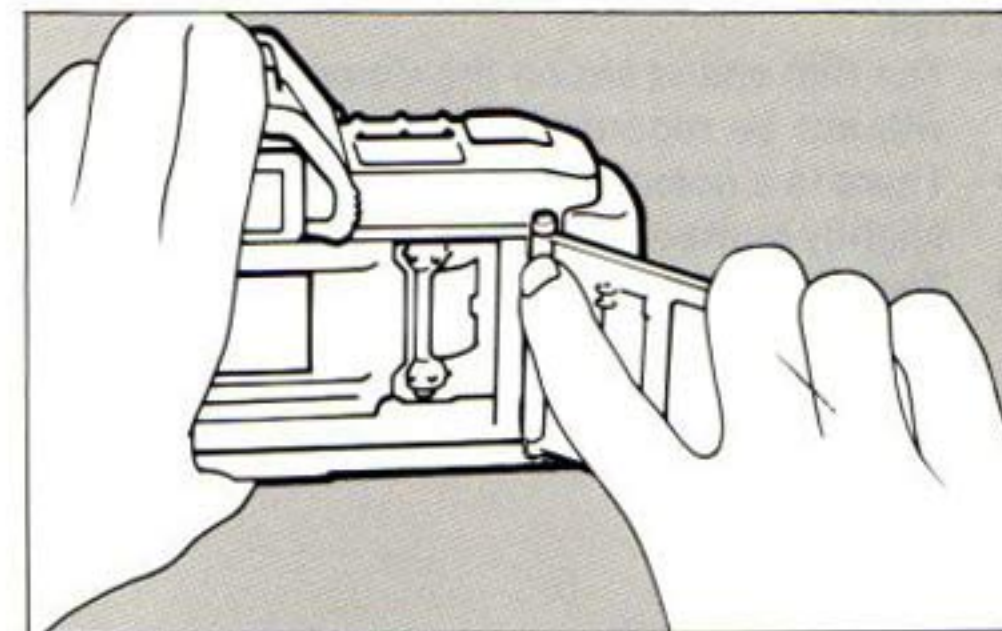
Be sure that there is no film in the camera before attaching the Command Back. Otherwise, the film will be exposed when the regular camera back is opened.

1) Open the back cover of the camera and push the hinge release pin down to remove the back cover.
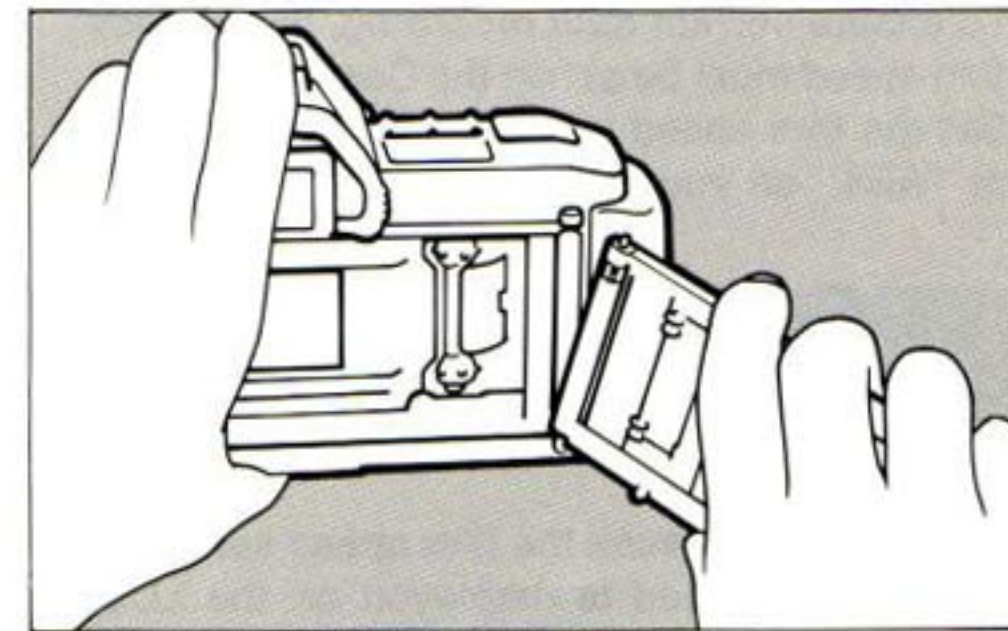
2) To attach the Command Back, insert its lower hinge into the lower socket first. Then depress the hinge release pin, align it with the upper socket and let go off the hinge release pin to lock it on.

Note:
Wipe the contacts of the camera and the Command Back with a clean, dry cloth to ensure proper contact. Otherwise the data may not be properly recorded.

5. Setting the Film Speed

To ensure correct data recording, the correct film speed must be set on the Command Back. Set the film speed indicated by either "ISO" or "ASA" on your film box.

> Be sure that the correct film speed is also set on the camera body.

1) Press and release the film speed selector. The film speed is displayed on the LCD panel in the rotating sequence: 100, 400, 25.

$$100 \longrightarrow 400 \longrightarrow 25$$

2) Set at 25, 100, or 400 depending on the speed of your film. Use the following table for reference.
   - ISO 25—64: Set at 25.
   - ISO 80—160: Set at 100.
   - ISO 200—400 and ISO 1000: Set at 400.

Notes:
- The film speed set on the Command Back will not be recorded.
- There is a possibility that the data may be slightly blurred when ISO 1000 film is used.
- The film speed settings are guidelines. To determine the perfect setting, take a few trial shots, changing the film speed setting for each shot.

6. Basic Operation for Making Mode Settings

1. **Switching between the data recording function and timer control function**
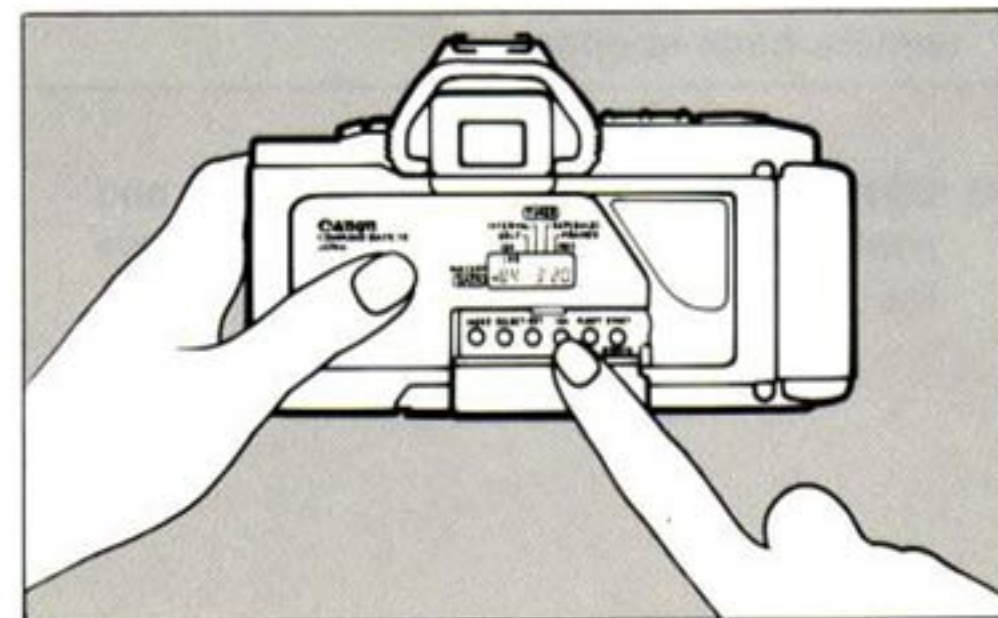   Operation is switched between the data recording function and the timer control function each time the data/timer selector is pressed. You can confirm which function the camera is in by looking at the "◄" mark on the LCD panel.

Control Buttons
1 Data Recording Function Display

○ ○ ○ ○ ● ○ | 100 ◄85 320 |

2 Timer Control Function Display

○ ○ ○ ○ ● ○ | 100 ▲ 08:05 30 |
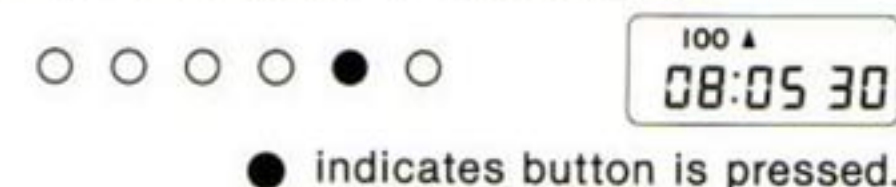
● indicates button is pressed.

2. **Mode Settings in Data Recording Function**
   The mode display of the data recording function changes each time the mode selector is pressed. These data are automatically recorded upon shutter release except when "OFF" is displayed.

Control Buttons
1 Date Mode Display (year/month/day)

● ○ ○ ○ ○ ○ | 100 ◄85 320 |

2 Time Mode Display (hour/minute/second)

● ○ ○ ○ ○ ○ | 100 ◄20 18:00 |

3 Arbitrary 6-digit Code Mode Display

● ○ ○ ○ ○ ○ | 100 ◄ 12 34 56 |

4 4-digit Frame Counter Number Mode Display

● ○ ○ ○ ○ ○ | 100 ◄Fc 12 34 |

5 (No data will be recorded.)

● ○ ○ ○ ○ ○ | 100 ◄   OFF |

Note:
Be sure to set to "OFF" when you do not want to record anything on the film.

3. **Mode Settings in Timer Control Function**
The mode display of the timer control function changes each time the mode selector is pressed. The camera is controlled according to these settings.

Control Buttons

1 Self-timer Mode Display   SELF

● ○ ○ ○ ○ ○

    100 ▲
    `00:05 30`

2 Interval Timer Mode Display   ┌INTERVAL

● ○ ○ ○ ○ ○

    100 ▲
    `00:30 00`

3 Long Release Timer Mode Display ┌EXP (BULB)

● ○ ○ ○ ○ ○

    100   ▲
    `05:30 BB`

4 Frame Counter Setting Mode Display
(Number of exposures is limited.)   ┌FRAMES

● ○ ○ ○ ○ ○

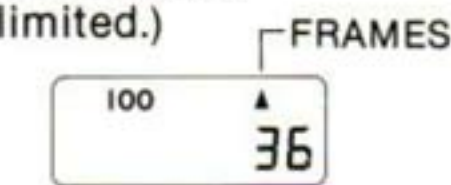   100   ▲
    `36`

1. Each time the position selector is pressed, a 2-digit unit starts flashing.
2. After the 2-digits you wish to change start flashing, press the number set button until the desired number appears.
3. Press the position selector until all the digits stop flashing.
   - Each depression of the number set button increments the flashing numeral by one. If the number set button is held down continuously in step 2, the number will advance rapidly.
   - If the start/stop/clear button is pressed while the number is flashing, the number will be cleared in the following way.

Year	→ '83
Month and Day	→ 1
Hour	→ 0
Minute, Second, and other numerals	→ 00

General Information & Notes

1. The data are automatically recorded upon shutter release.
2. The data are recorded in the lower right-hand corner of the picture.
3. If the data have been recorded correctly, a "●" mark will appear in the upper right-hand corner of the LCD panel and light up for about 1.5—2 secs.
4. When you do not want to record anything, be sure to set the display to "OFF."
5. It is impossible to record more than one mode at the same time. (For example: the date and time.)
6. It is impossible to record data if any part of the display is flashing.
7. If the background of the data recording area is bright, the data may not appear clearly on the picture. Be sure that a dark part of the subject lies within the data recording area.
8. When using color film, if the background of the data recording area is orange, the data may not appear clearly. This is because the data are printed in orange.

(1) Setting the Date

Any of three formats (year/month/day, day/month/year, and month/day/year) may be selected in the date mode. The year/month/day display is initially set. If you want to change that order, follow these steps:
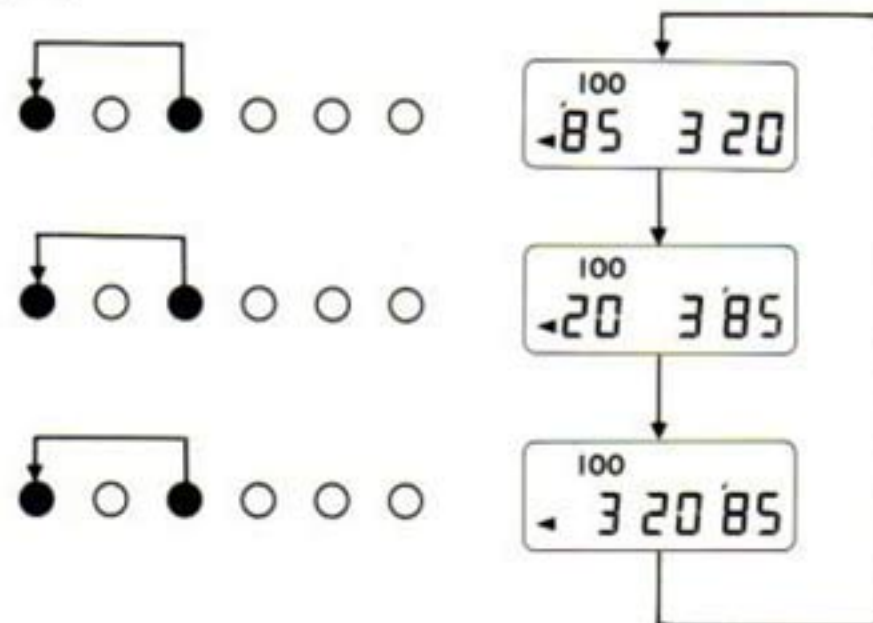
1. Select the data recording function by pressing the data/timer selector.

2. Select the date mode displayed in year/month/day by pressing and releasing the mode selector.

3. While pressing the number set button, press the mode selector. Each time the mode selector is pressed, the display rotates in the sequence: year/month/day, day/month/year, and month/day/year. Select one of those three displays.

● indicates button is pressed.

EXAMPLE

When you want to change the date from February 1, 1983 to December 14, 1985. (Supposing that the display has already been changed to month/day/year.)

1. Select the data recording function by pressing the data/timer selector.	○ ○ ○ ○ ● ○	DATA ◄
2. Select the date mode (month/day/year) by pressing and releasing the mode selector.	● ○ ○ ○ ○ ○	2 1 83
3. When the position selector is pressed, '83 (year) will start flashing.	○ ● ○ ○ ○ ○	2 1 83
4. Press the number set button while '83 is flashing until '85 appears.	○ ○ ● ○ ○ ○	2 1 85
5. Correct 2 (month) to 12 and then 1 (day) to 14 following the same procedures as in steps 3 and 4.	○ ● ○ ○ ○ ○ 2 1 85 ／ ○ ● ○ ○ ○ ○ 12 1 85 ○ ○ ● ○ ○ ○ 12 1 85 ○ ○ ● ○ ○ ○ 12 14 85	
6. Press the position selector once more to stop the flashing.	○ ● ○ ○ ○ ○	12 14 85

● indicates button is pressed.

(2) Setting the time

To set the precise time, for example, to 12:00 noon, 00 seconds, follow these steps:

1. Select the data recording function by pressing the data/timer selector.
2. Select the time mode by pressing and releasing the mode selector.
3. When the position selector is pressed once, the colon will start flashing.
4. Press the number set button once at the time of the tone given on the radio, telephone, or television. The internal clock will immediately start counting at 00 seconds.

EXAMPLE

When you want to change the time from 10:30 to 17:45.

1. Select the data recording function by pressing the data/timer selector.	○ ○ ○ ○ ● ○ [DATA] ◄
2. Select the time mode (day/hour/minute) by pressing and releasing the mode selector.	● ○ ○ ○ ○ ○ 14 10:30
3. When the position selector is pressed once, the colon will start flashing. When it is pressed again, 30 (minute) will start flashing.	○ ● ○ ○ ○ ○ ─── ○ ● ○ ○ ○ ○ 14 10:30 → 14 10:30
4. Press the number set button while 30 is flashing until 45 appears.	○ ○ ● ○ ○ ○ 14 10:45
5. Correct 10 (hour) to 17 following the same procedures as in steps 3 and 4.	○ ● ○ ○ ○ ○ ─── ○ ○ ● ○ ○ ○ 14 10:45 → 14 17:45
6. Press the position selector once again to stop the flashing.	○ ● ○ ○ ○ ○ 14 17:45

● indicates button is pressed.

Note:
Changing the day is possible only when in the date mode. (Please see p. 13)

(3) Setting the Arbitrary 6-digit Code
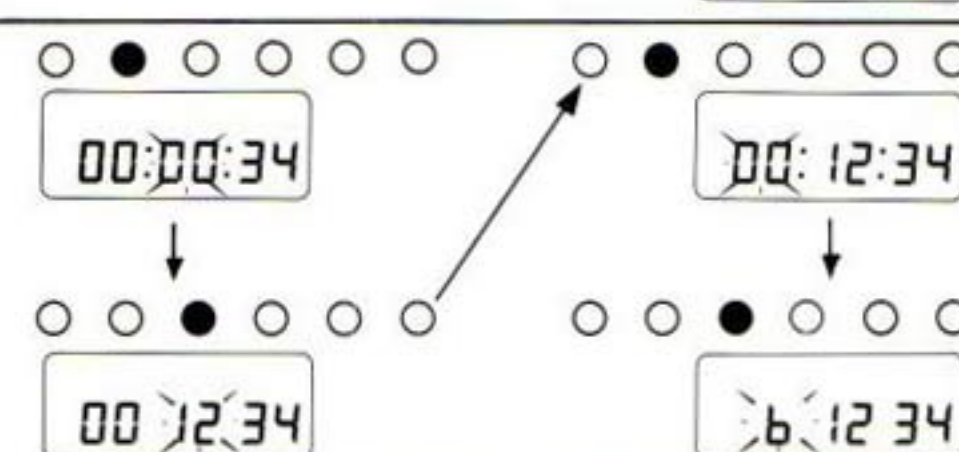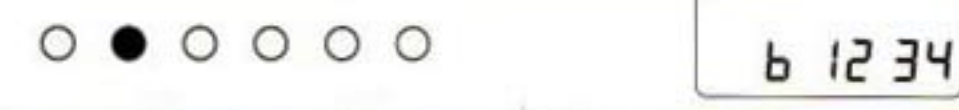
You can set each 2-digit unit of the arbitrary 6-digit code from 00 to 99 plus the letters A through F. This mode can be used to order your pictures for easy filing.

Each 2-digit unit advances in the rotating sequence of 00→99→ (arbitrary number) →A→b→C→d→E→F→blank→00.
If you want to set the number or the letter quickly, hold down the number set button continuously and the display will advance rapidly.

EXAMPLE
When you want to set "b 12 34".
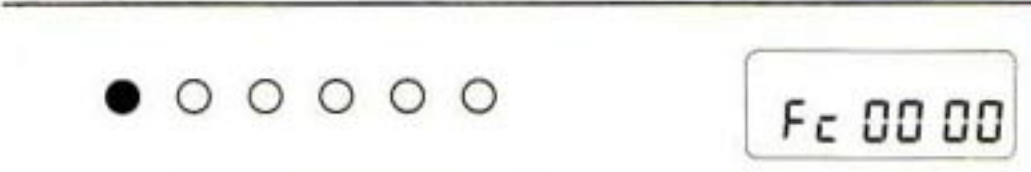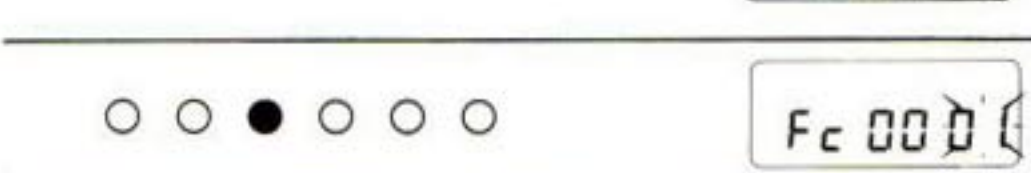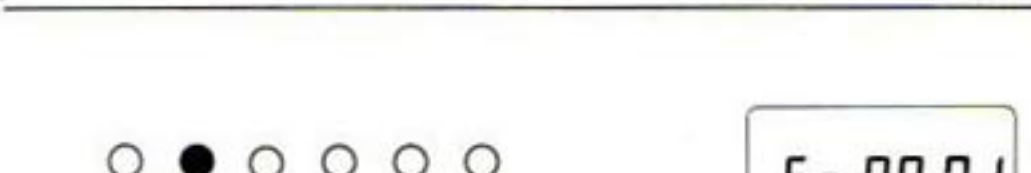
Step	Display
1. Select the date recording function by pressing the data/timer selector.	○ ○ ○ ○ ● ○ (DATA) ◄
2. Select the arbitrary 6-digit code mode (00 00 00) by pressing and releasing the mode selector.	● ○ ○ ○ ○ ○ ◄00 00 00
3. When the position selector is pressed once, the "00" on the right will start flashing.	○ ● ○ ○ ○ ○ ◄00 00 00
4. Press the number set button while the "00" is flashing until 34 appears.	○ ○ ● ○ ○ ○ 00 00 34
5. Correct the 00 in the middle to 12 and then the 00 on the left to b following the same procedures as in steps 3 and 4.	○ ● ○ ○ ○ ○ 00:00:34 → ○ ○ ● ○ ○ ○ 00 12:34 → ○ ● ○ ○ ○ ○ 00: 12:34 → ○ ○ ● ○ ○ ○ b 12 34
6. Press the position selector once again to stop the flashing.	○ ● ○ ○ ○ ○ b 12 34

● indicates button is pressed.

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17

(4) Setting the 4-digit Frame Counter Number

You can record the frame counter number from Fc 00 01 up to Fc 99 99 on the film in sequence.

EXAMPLE

1. Select the data recording function by pressing the data/timer selector.	○ ○ ○ ○ ● ○　(DATA)	◄
2. Select the 4-digit frame counter number mode (Fc 00 00) by pressing and releasing the mode selector.	● ○ ○ ○ ○ ○	Fc 00 00
3. When the position selector is pressed once, the right 2 digits (00) will start flashing.	○ ● ○ ○ ○ ○	Fc 00 00
4. Press the number set button once while the 00 is flashing to set 01.	○ ○ ● ○ ○ ○	Fc 00 0 (
5. Press and release the position selector twice to stop the flashing. The frame counter reading automatically advances with the frame counter of the camera, as each exposure is made.	○ ● ○ ○ ○ ○	Fc 00 0 1

● indicates button is pressed.

Notes:
- If you want to start the frame counter reading from Fc 00 01 again on the second roll of your film, reset to Fc 00 01 again.
- If you want to continue the sequential numbering after your first roll of film has been finished, there is no need to reset the frame counter reading on the second roll of film. The sequential number is set automatically since the frame counter reading on the LCD panel does not advance during automatic film loading. The frame counter reading from Fc 00 01 to Fc 99 99 can be automatically set and recorded in this manner.
- When continuous shooting is done in this mode at low temperatures (below 5°C/37°F), the recorded number may not appear clearly.

General Information & Notes

1. Operation of the timer control function can only be started by pressing the start/stop/clear button. Pushing the camera's shutter button will not start timer control function operation.
2. Operation of the timer control function stops automatically after the specified operations have been completed. However, if you want to manually stop operation, press the start/stop/clear button once again.
3. Operation of the timer control function is possible only when a mode of the timer control function is displayed on the LCD panel. If a data recording function mode is displayed, the timer control function will not operate even when the start/stop/clear button is pressed.
4. Do not set the self-timer on the camera itself when the timer control function is used.
5. Be sure to check that "OFF" is set in the data recording function if you do not want to record any data.
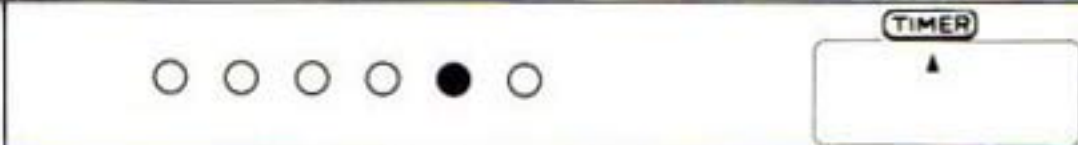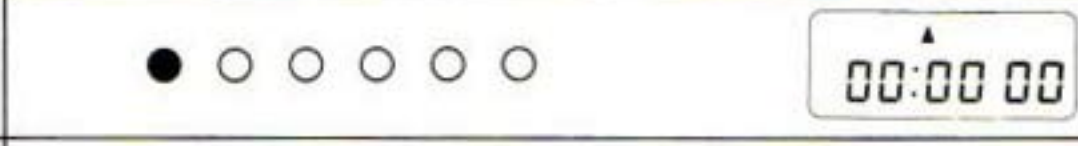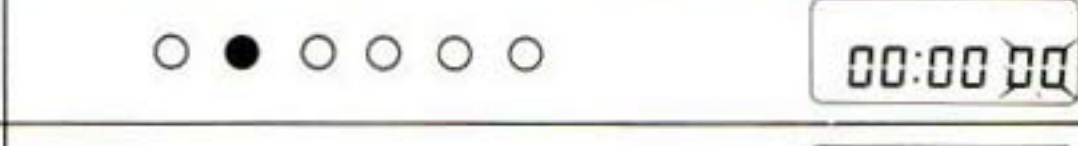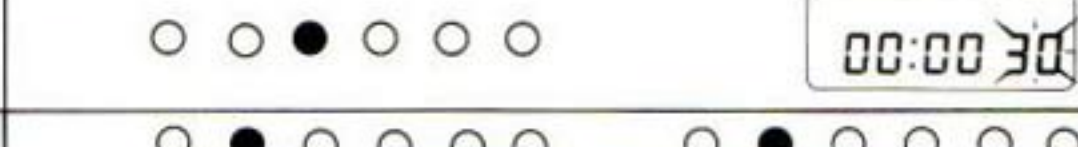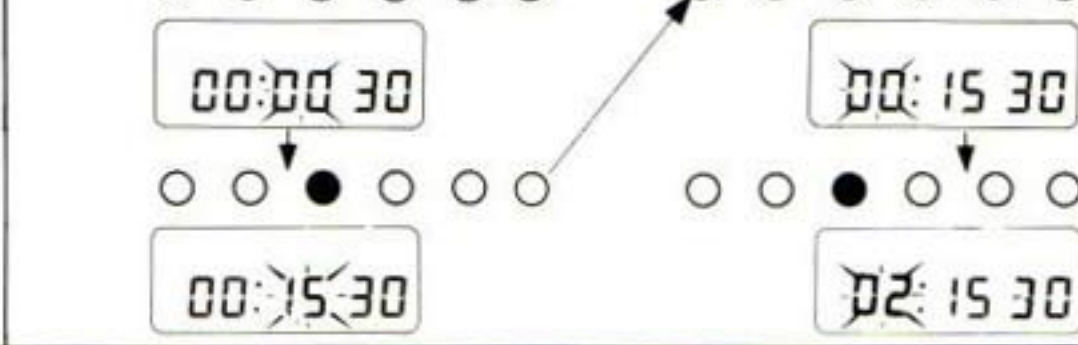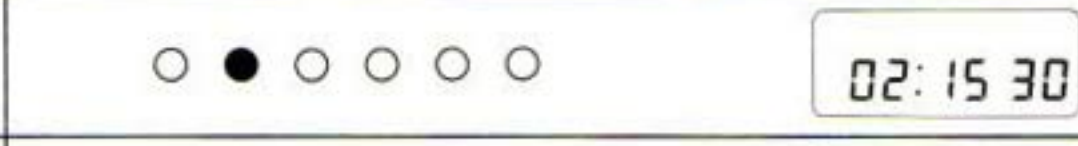6. If you want to take a picture manually during timer control function operation, it is possible to shoot by pressing the camera's shutter button. Please keep in mind that operation is in progress and the frame counter reading will move forward to the next frame when that mode is set. (See pp. 18-19)
7. Be sure to cover the camera viewfinder with the eyepiece cover to keep light from entering at the rear.

(1) Setting the Self-timer

The self-timer of the Command Back can be set in 1-sec. units to any delay from 1 sec. to 23 hrs., 59 mins., 59 secs.

EXAMPLE

When you want to take a picture after a delay of 2 hrs., 15 mins., 30 secs.

1. Select the timer control function by pressing the data/timer selector.	○ ○ ○ ○ ● ○ TIMER
2. Select the self-timer mode by pressing and releasing the mode selector.	● ○ ○ ○ ○ ○ 00:00 00
3. When the position selector is pressed, the 00 on the right will start flashing.	○ ● ○ ○ ○ ○ 00:00 00
4. Press the number set button while the 00 is flashing until 30 appears.	○ ○ ● ○ ○ ○ 00:00 30
5. Correct the 00 in the middle to 15 and then the 00 on the left to 02 following the same procedures as in steps 3 and 4.	○ ● ○ ○ ○ ○ ○ ● ○ ○ ○ ○ 00:00 30 00: 15 30 ○ ○ ● ○ ○ ○ ○ ○ ● ○ ○ ○ 00: 15 30 02: 15 30
6. Press the position selector once again to stop the flashing.	○ ● ○ ○ ○ ○ 02: 15 30
7. To start the self-timer, press the start/stop/clear button once.	○ ○ ○ ○ ○ ● 02: 15 30

● indicates button is pressed.

(2) Setting the Interval Timer

The interval timer can be set in 1-sec. units to any value from 1 sec. to 23 hrs., 59 mins., 59 secs.

EXAMPLE

When you want to release the shutter every 5 mins., 30 secs.

1. Select the timer control function by pressing the data/timer selector.	○ ○ ○ ○ ● ○	▲
2. Select the interval timer mode by pressing and releasing the mode selector.	● ○ ○ ○ ○ ○	▲ 00:00 00
3. When the position selector is pressed, the 00 on the right will start flashing.	○ ● ○ ○ ○ ○	00:00 00
4. Press the number set button while the 00 is flashing until 30 appears.	○ ○ ● ○ ○ ○	00:00 30
5. Correct the 00 in the middle to 05 following the same procedures as in steps 3 and 4. (The 00 on the left should remain the same in this case.)	○ ● ○ ○ ○ ○ ○ ○ ● ○ ○ ○ 00:00 30 → 00:05 30	
6. Press the position selector once again to stop the flashing.	○ ● ○ ○ ○ ○	00:05 30
7. To start the interval timer, press the start/stop/clear button once.	○ ○ ○ ○ ○ ●	00:05 30

● indicates button is pressed.

Note:

The actual setting of the interval timer mode must be started from at least 2 secs. since it takes the camera approx. 1 sec. to wind the film.
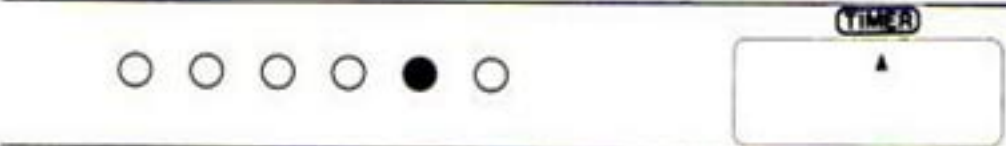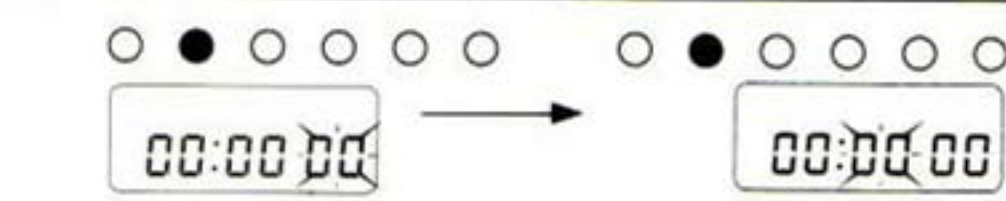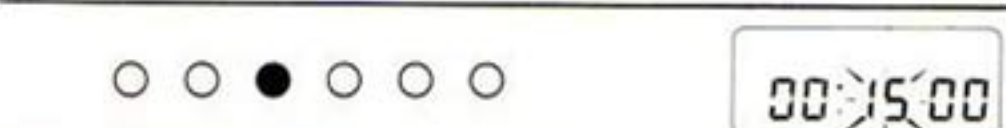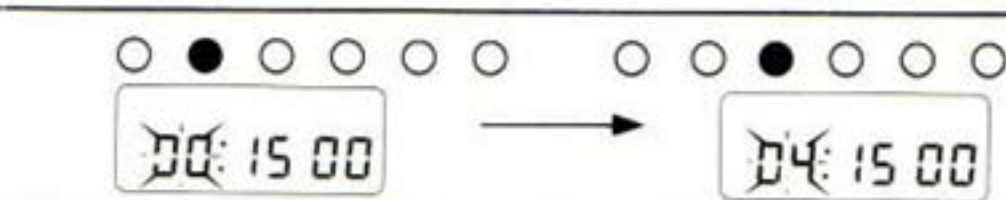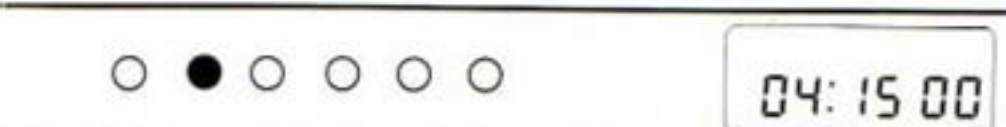
(3) Setting the Long Release Timer

The long release timer mode can be set in 1-sec. units to any value from 1 sec. to 23 hrs., 59 mins., 59 secs.

Bulb must be set on the camera when using the long release timer mode.

When an AC lens is mounted on the T80, the long release timer mode can not be used. AC lenses do not have an aperture ring so apertures can not be set manually. It is also impossible to set the camera to bulb when an AC lens is mounted.

EXAMPLE

When you want to keep the shutter open for 4 hrs., and 15 mins.
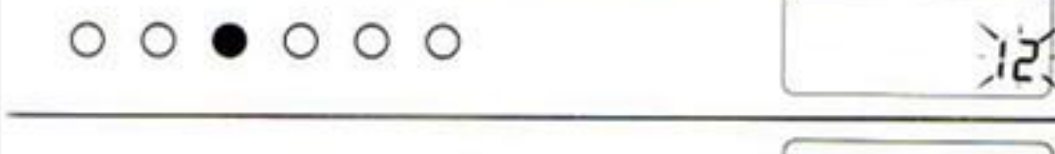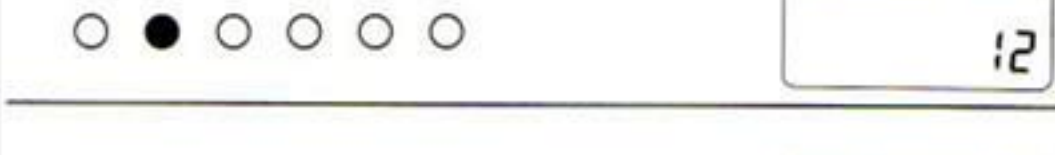
Step	Display
1. Set the camera to "buLb."	
2. Select the timer control function by pressing the data/timer selector.	○ ○ ○ ○ ● ○ TIMER ▲
3. Select the long release timer mode by pressing and releasing the mode selector.	● ○ ○ ○ ○ ○ ▲ 00:00 00
4. When the position selector is pressed twice, the 00 in the middle will start flashing. (The 00 on the right should remain the same.)	○ ● ○ ○ ○ ○ 00:00 00 → ○ ● ○ ○ ○ ○ 00:00 00
5. Press the number set button while the 00 is flashing until 15 appears.	○ ○ ● ○ ○ ○ 00:15 00
6. Correct the 00 on the left to 04 following the same procedures as in steps 4 and 5.	○ ● ○ ○ ○ ○ 00 15 00 → ○ ○ ● ○ ○ ○ 04 15 00
7. Press the position selector once again to stop the flashing.	○ ● ○ ○ ○ ○ 04: 15 00
8. To start the long release timer, press the start/stop/clear button once.	○ ○ ○ ○ ○ ● 04: 15:00

(4) Setting the Frame Counter

The number of pictures to be taken can be set from 1 to 99.

EXAMPLE

When you want to take twelve pictures in succession.

1. Select the timer control function by pressing the data/timer selector.	○ ○ ○ ○ ● ○
2. Select the frame counter setting mode (00) by pressing and releasing the mode selector.	● ○ ○ ○ ○ ○ 00
3. When the position selector is pressed once, 00 will start flashing.	○ ● ○ ○ ○ ○ 00
4. Press the number set button while the 00 is flashing until 12 appears.	○ ○ ● ○ ○ ○ 12
5. Press the position selector once again to stop the flashing.	○ ● ○ ○ ○ ○ 12
6. To start taking pictures, press the start/stop/clear button once. After the camera has finished taking the twelve pictures, operation will automatically stop.	○ ○ ○ ○ ○ ● 12

Note:
If the frame counter of the Command Back is set to 00, shooting is impossible even when the start/stop/clear button is pressed.

10. Combining Various Modes

General Information & Notes

1. The Command Back can be programmed as desired by combining various modes.
   1) Combining all modes of the timer control function is possible.
   2) Any mode of the data recording function can be combined with any individual mode of the timer control function.
   3) Any mode of the data recording function can be combined with multiple modes of the timer control function.
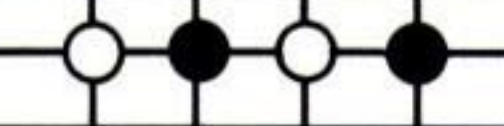
Therefore, there are 11 possible combinations in 1) above, 16 possible combinations in 2) and 44 complex combinations in 3). This is excluding the case of the OFF mode and regarding all three displays of the date mode as one mode. In the case of the Command Back 80, however, there are 4 possible combinations in 1), 12 combinations in 2) and 16 complex combinations in 3). This is because the long release timer mode can not be used when AC lenses are mounted on the T80. Refer to the table below on the type of exposure made with each combination.

ST: Self-timer
IT: Interval Timer
LRT: Long Release Timer
FCS: Frame Counter Setting

	ST	IT	LRT	FCS	Operation	Application
1	●	○	○	○	Long delay self-timer.	Exposure starting time can be set as desired.
2	○	●	○	○	Basically the same as with past interval timers.	Flowers blooming, etc.
3	○	○	●	○	Automatic long exposure control.	Astrophotography, etc.
4	○	○	○	●	Exposure count control and auto-stop.	Limiting the number of continuous exposures.
5	●	○	○	●	Fixed number of exposures taken after a certain period of time.	Same as No. 1 with a limited number of exposures.
6	●	●	○	○	Photography at fixed intervals, starting after a certain period of time.	Allows starting time for interval exposures to be set as desired.
7	●	●	○	●	Limited number of exposures made at fixed intervals, starting after a certain period of time.	Same as No. 6, with addition of limitation on number of exposures.

Notes:
- There are 52 effective combinations excluding Nos. 11 and 15.
- With the Command Back 80, there are 28 effective combinations including Nos. 1, 2, 4, 5, 6, 7 and 12.

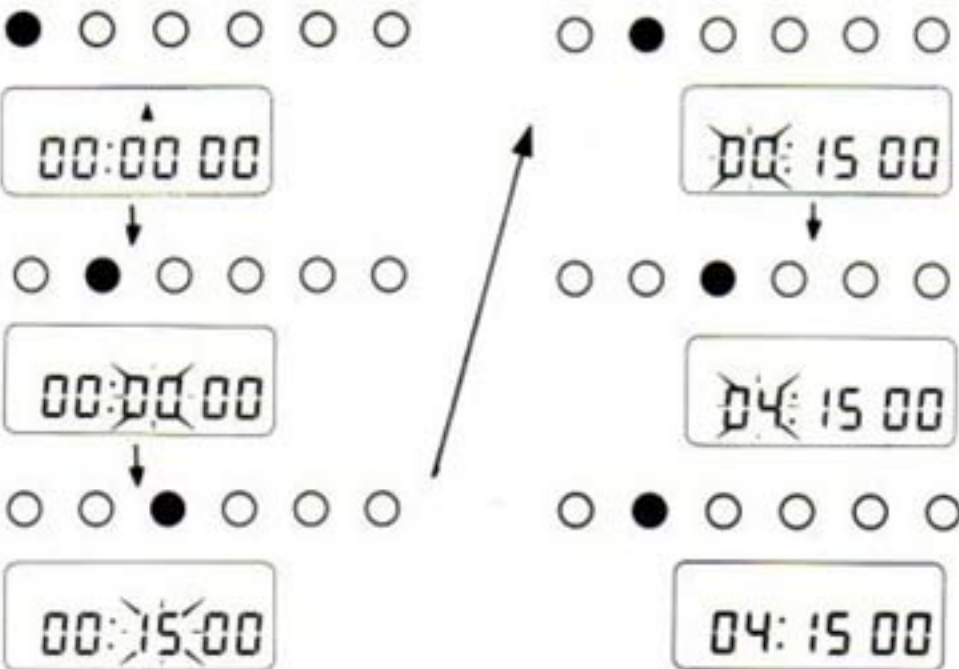| No.	Setting	Description	Application
8	●●●○	Long release exposures made at fixed intervals, starting after a certain period of time.	
9	●●●●	Limited number of long release exposures made at fixed intervals, starting after a certain period of time.	
10	●○●○	Long release exposure made after waiting for a certain period of time.	Astrophotography
11	●○●●	(Incorrect setting; operation is same as with No. 10).	Astrophotography
12	○●○●	Limited number of interval time exposures made.	Flowers blooming, etc.
13	○●●○	Long release exposures made at fixed intervals.	
14	○●●●	A limited number of long release exposures made at fixed intervals.	
15	○○●●	(Incorrect setting; operation is same as with No. 3).	Astrophotography
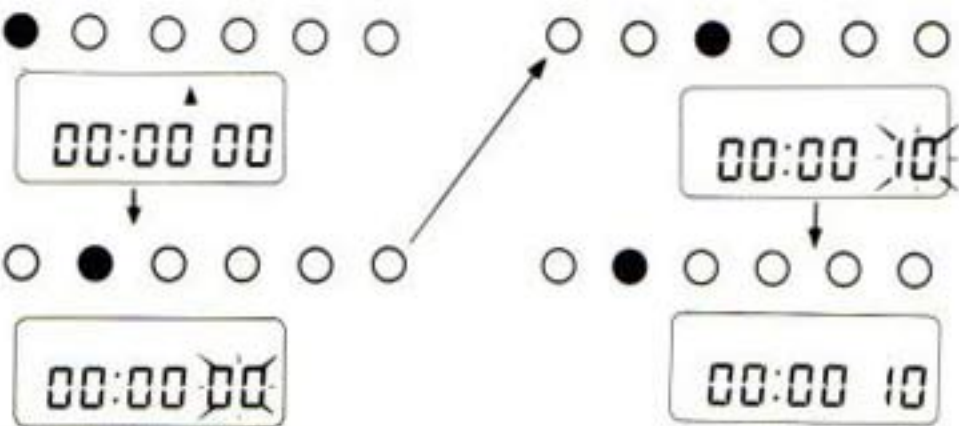
2. When the timer control function is combined with the data recording function, the LCD panel display will appear as follows:
   1) The LCD panel automatically switches to the data recording function display as soon as the start/stop/clear button is pressed. The mode which will be recorded is displayed. The timer control function is indicated by the "▲" mark pointing to the mode in operation.
   2) If "OFF" is set in the data recording function, the LCD panel will not switch to the data recording function display. In this case, the timer control function mode in operation at the time is displayed and counts down as soon as the start/stop/clear button is pressed.
3. Be sure to set the data recording function to "OFF" if you do not want to print anything.
4. Do not set the self-timer on the camera itself when the timer-control function is used.
5. If the frame counter is set to 00 while any other mode of the timer control function is set, the number of exposures will not be limited; the camera will continue to take pictures until the end of the roll is reached. (See p. 27)
6. When the data recording function and the timer control function are used together at low temperatures (less than −10°C or 22°F), please use the self-timer mode at a setting of approx. 5 secs. This is because the response speed of the LCD is reduced at low temperatures.
7. Be sure to cover the camera viewfinder with the eyepiece cover to keep stray light from entering at the rear.

EXAMPLE 1

When you want to use the interval timer mode set at 4 hrs., 15 mins., and the long release timer mode set at 10 secs.

1. Set the camera to "buLb."	
2. Select the timer control function by pressing the data/timer selector.	○ ○ ○ ○ ● ○ [TIMER] 00:00 00
3. Select the interval timer mode and set it to 04:15 00.	● ○ ○ ○ ○ ○ ○ ● ○ ○ ○ ○ 00:00 00 00: 15 00 ○ ● ○ ○ ○ ○ ○ ○ ● ○ ○ ○ 00:00 00 04: 15 00 ○ ○ ● ○ ○ ○ ○ ● ○ ○ ○ ○ 00: 15 00 04: 15 00
4. Select the long release timer mode and set it to 00:00 10.	● ○ ○ ○ ○ ○ ○ ○ ● ○ ○ ○ 00:00 00 00:00 10 ○ ● ○ ○ ○ ○ ○ ● ○ ○ ○ ○ 00:00 00 00:00 10
5. Press the start/stop/clear button to start operation.	○ ○ ○ ○ ○ ● 00:00 10

Note:
Be sure that the camera is set to "buLb."

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EXAMPLE 2

When you want to use the self-timer mode set at a delay of 45 mins., the interval timer mode set at 1 hr., 30 mins., the long release timer mode set at 20 secs., the frame counter setting mode set at 7 exposures, and the 4-digit frame counter mode to record sequential numbering on the pictures.

1. Set the camera to "buLb."	
2. Select the data recording function by pressing the data/timer selector.	○ ○ ○ ○ ● ○ (DATA)
3. Select the 4-digit frame counter mode and set it to Fc 00 01.	● ○ ○ ○ ○ ○ Fc 00 00 ○ ○ ● ○ ○ ○ Fc 00 0 1 ○ ● ○ ○ ○ ○ Fc 00 00 ○ ● ○ ○ ○ ○ Fc 00 0 1
4. Select the timer control function by pressing the data/timer selector.	○ ○ ○ ○ ● ○ (TIMER)

5. Select the self-timer mode and set it to 00:45 00.	● ○ ○ ○ ○ ○ 00:00 00 ○ ○ ● ○ ○ ○ 00:45 00 ○ ● ○ ○ ○ ○ 00:00 00 ○ ● ○ ○ ○ ○ 00:45 00
6. Select the interval timer mode and set it to 01:30 00.	● ○ ○ ○ ○ ○ 00:00 00 ○ ● ○ ○ ○ ○ 00:30 00 ○ ● ○ ○ ○ ○ 00:00 00 ○ ○ ● ○ ○ ○ 0 1:30 00 ○ ○ ● ○ ○ ○ 00:30 00 ○ ● ○ ○ ○ ○ 0 1:30 00
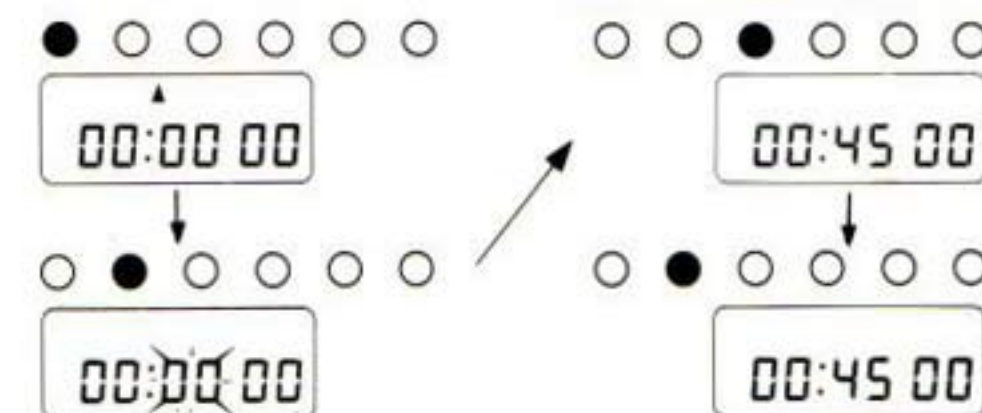
<table>
<tr><td>7. Select the long release timer mode and set it to 00:00 20.</td><td></td></tr>
<tr><td>8. Select the frame counter setting mode and set it to 07.</td><td></td></tr>
<tr><td>9. Press the start/stop/clear button to start operation.</td><td></td></tr>
</table>

Note:
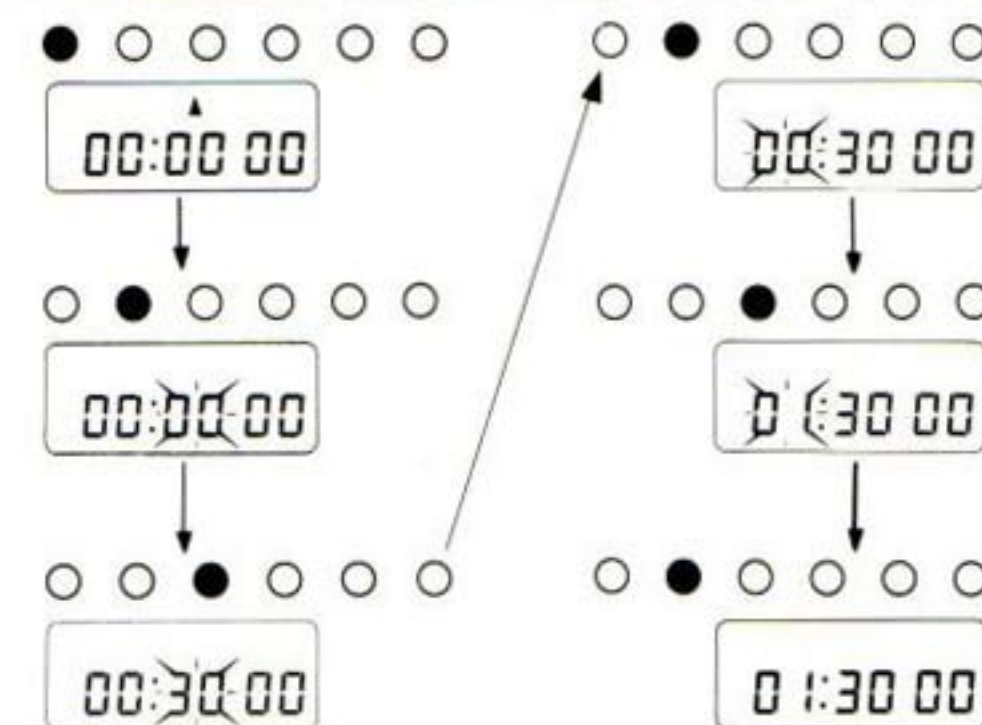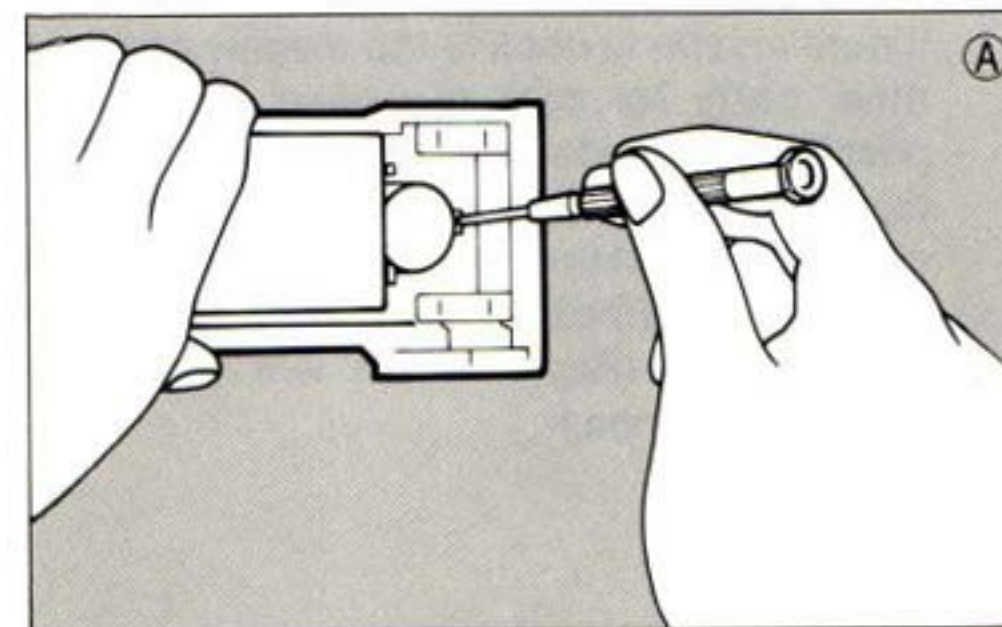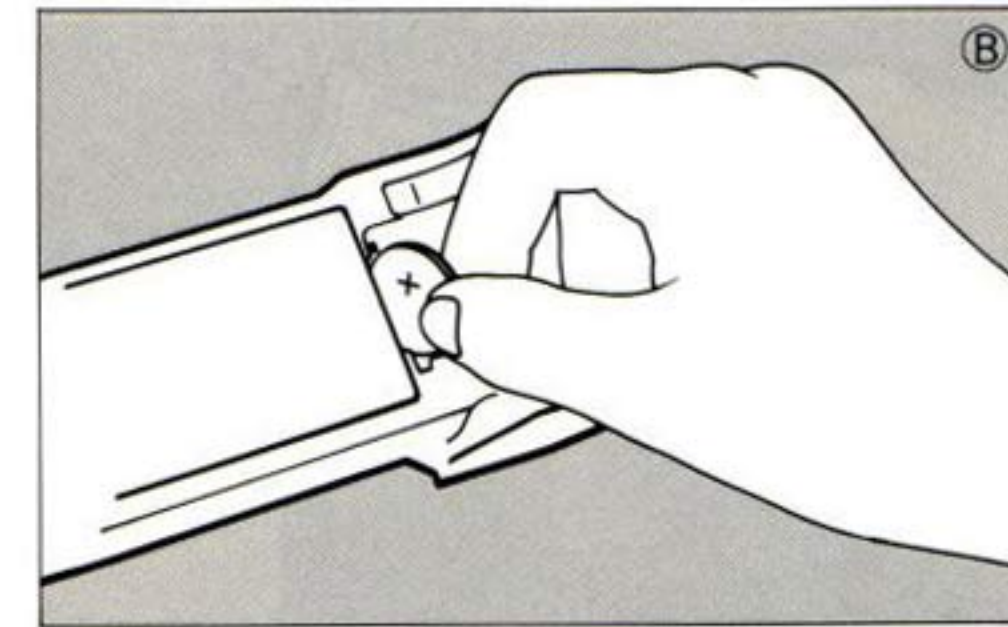Be sure that the camera is set to "buLb."

11. Replacing the Battery

When the "◀" mark appears to the right of "BATTERY" on the Command Back, the battery has become exhausted. At this time, replace the battery promptly as instructed below.

- Battery type: Lithium 3V, CR2025 (Coin-shaped)
- Battery life: Approx. 4 years
- A battery is loaded in the Command Back when purchased.

1) Open the back cover.
2) Using a philips-head screwdriver, unscrew the retaining screw to remove the battery chamber cover.
3) Insert the tip of the screwdriver into the chamber and then push the battery to the left. The battery will pop up (illus. A).
4) Wait for at least 15 seconds after removing the old battery and then load the new battery with the " + " side facing up as indicated on the outside of the battery chamber cover (illus. B).
5) To load the new battery, first insert one side into the chamber and then press it to the left with your finger until it will go no further (illus. C).
6) Finally, slide the battery slightly to the right and lock it into place.
7) Retighten the retaining screw.
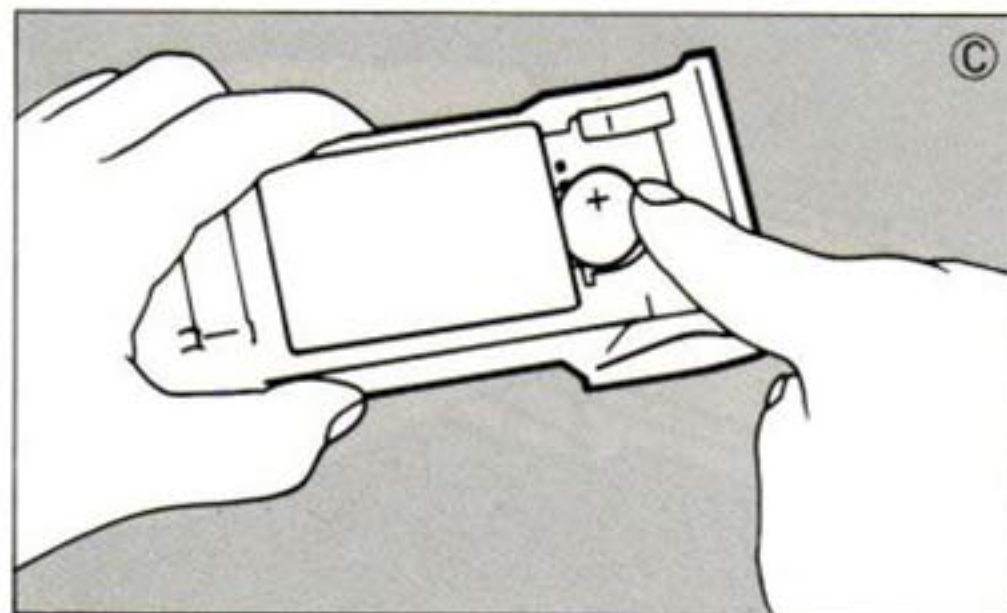
The Command Back's settings upon completion of this procedure will be as follows.

Date: January 1, 1983
Time: 00 00:00
Film speed: ISO 100
Timer function: Completely cleared
(all zeros).

Initialization is completed within 10 seconds.

Precautions:
1) Keep the batteries away from children. If swallowed, contact a physician immediately.
2) Do not remove the battery chamber cover except when the battery is being replaced.

Liquid crystal is used in the display area and other parts for data recording. There is a possibility that a lack of contrast or blur in the digital display may occur after about five years of normal use. If this should occur, please contact an authorized Canon service facility for replacement. (Replacement will be at the owner's expense.)

Used with: Canon T70 (Command Back 70)
Canon T80 (Command Back 80)
Attachment: Exchanges with camera's back cover.
Type: Fully automatic data back with LCD panel, quartz digital auto-calendar and timer control function. (However, film speed must be set manually.)

Data recording function:
1) Four modes plus non-recording (OFF)
   a) Year/month/day (switchable to day/month/year or month/day/year)
   b) Day/hour/minute
   c) Record number (up to six digits, or A, b, C, d, E, F, or a space)
   d) Frame counter: Maximum of 4 digits (additive)
   e) OFF (non-recording)
2) External display of data:
   Using a 7-segment, 6-digit LCD display that shows what is recorded on the film. (OFF is displayed on the monitor panel only.)
3) Position and size of data:
   Recorded in the bottom right corner of horizontal frame and is horizontally arrayed. Character height on negative is approx. 0.7 mm.

4) Recording system:
   Projected onto the film through a transmissive-type LCD. It is coupled to the camera's exposure mechanism, thus exposure of characters is made automatically.
5) Exposure confirmation indicator:
   An exposure confirmation mark (an LCD indicator) lights on the monitor panel for 1.5—2 seconds after the exposure has been made.
6) Continuous exposure speed:
   1.2 frames/sec. (same as that of the T70 and T80)
7) Adjustment of light intensity:
   Switchable between three levels of brightness according to the film speed. The LCD shows the corresponding film speed (25, 100, or 400).
8) Auto-calendar function:
   Programmed for all dates from 1980 to 2029. Correction for long and short months and leap years is made automatically.

Timer control function (command function):
Includes three timer modes and a frame counter set mode.
1) Timer modes
   a) Self-timer (shutter is released after a fixed amount of time)
   b) Interval timer (repeat shots are made at fixed intervals)
   c) Long release timer (shutter is released and held open continuously for an extended period of time)
   * All of the above can be set in 1-second units from 1 second to 23 hours, 59 minutes, 59 seconds.
   * With the Command Back 80, the long release timer can not be used when AC lenses are mounted.
   d) Frame counter set (the number of exposures to be made can be set from 1 to 99; the camera stops automatically after the set number of exposures has been made)

2) Timer control function display:
   Selection of the above modes is done by moving a triangular LCD mark (▲). Data for modes a)—c) are indicated by a 7-segment, 6-digit LCD display. Data for mode d) are indicated by a 7-segment, 2-digit LCD display which shows the number of exposures set.
3) Use of the timer control function modes in combination:
   Any combination of modes a) through d) is possible.
4) Timer control function operation:
   Started by pressing the start/stop/clear button, and stopped by pressing that button again. The (▲) mark flashes on and off during operation.

Timer control and data recording functions in combination:
Can be used in combination. Data set prior to the selection of the timer mode is coupled to exposure and is automatically recorded on the film. Display of exposure data on the monitor display panel is resumed when timer control function operation begins. If the Command Back's data recording function is the OFF mode, no data is recorded and the timer control function information is displayed on the monitor display panel during operation.

Digital clock accuracy:
Accurate to within ±15 seconds per month at 10°C—30°C and 60% RH.

Power supply:
Type—3 V, provided by one coin-type lithium battery (CR2025)

Battery life and replacement warning:
About 4 years. The Command Back is equipped with an automatic battery check function which turns on a monitor panel indicator (◀) when it is time for the battery to be replaced.

Dimensions (in terms of camera):
The data back mechanism increases the overall depth of the camera by 3.4 mm.
Weight: Command Back 70— 65 g (2-5/16 oz.)
Command Back 80—70 g (2-1/2 oz.)
Subject to change without notice.