

## INTRODUCTION OF NEW PRODUCTS

### Information on New Products Cal. No. C220

We herewith, send the introduction of the new products CAL. No. C220 under development.

We hope it will be helpful in marketing.

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## 1. FEATURE

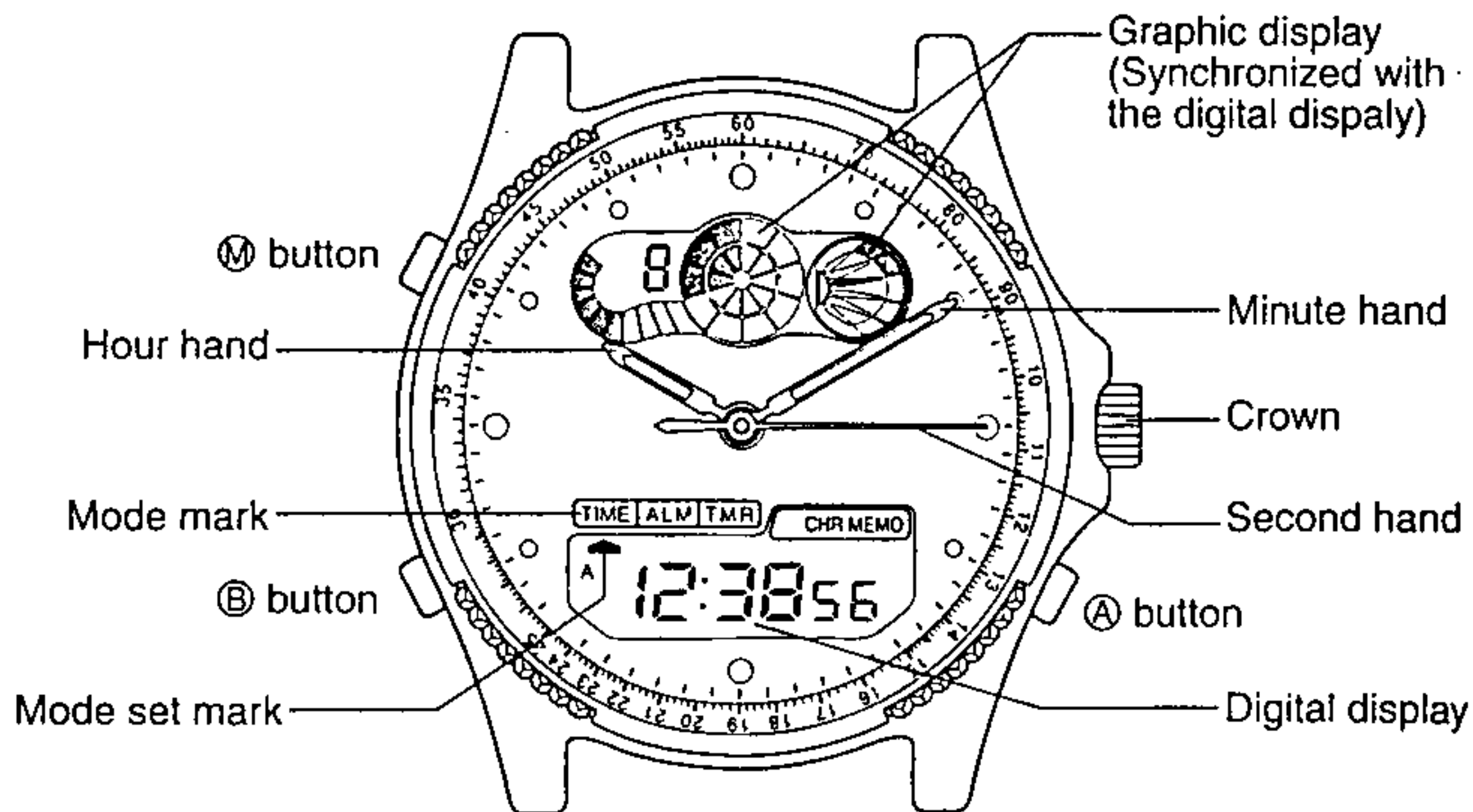
This watch is an analog and digital combination watch which is provided with unique color graphics and other helpful functions convenient to use when touring by car or motorcycle.

## 2. SPECIFICATIONS

Type	Combination (analog + digital) quartz watch
Time accuracy	Within $\pm 20$ seconds per month
Operating temperature range	0°C - 55°C (32°F - 131°F)
Display functions	<ul style="list-style-type: none"> <li>• Time/calendar</li> <li>• Alarm</li> <li>• Chronograph: 24 hour-system</li> <li>• Timer: Time setting range: 60 minutes maximum</li> </ul>
Power cell	<ul style="list-style-type: none"> <li>• Parts number: 280-44 (SR927W)</li> <li>• Voltage: 1.55V</li> <li>• Lifetime: About 2 years (Alarm sound ... 20 sec./day) (Timer sound ... 5 sec./day)</li> </ul>

• Specifications may be subject to change without notice as a result of improvement.

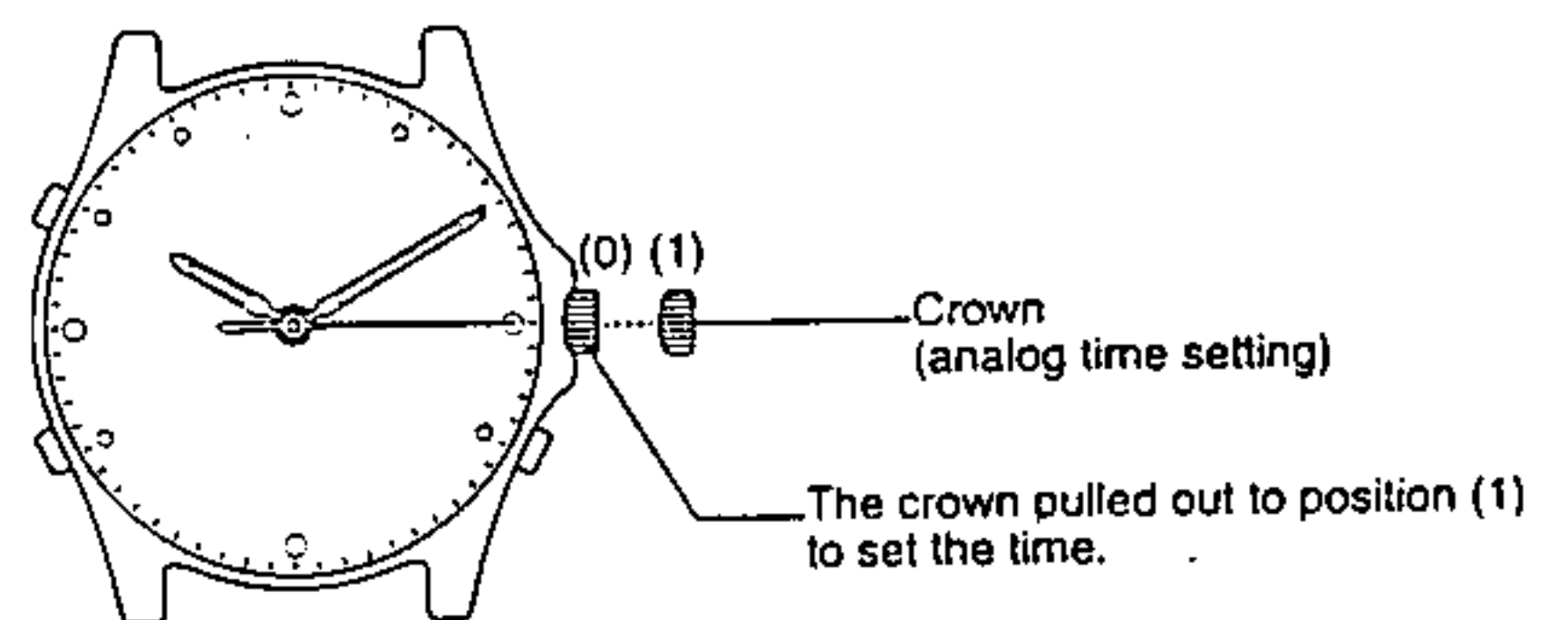
## 3. NAMES OF PARTS



## 4. SETTING THE ANALOG TIME

- (1) Wait until the second hand reaches the zero and then pull out the crown to position (1).
- (2) Turn the crown to set the correct time.
- (3) Push the crown to position (0) after setting the analog time.

The analog indication and digital display of the time settings can be adjusted separately, thus, the dual time feature can be used.

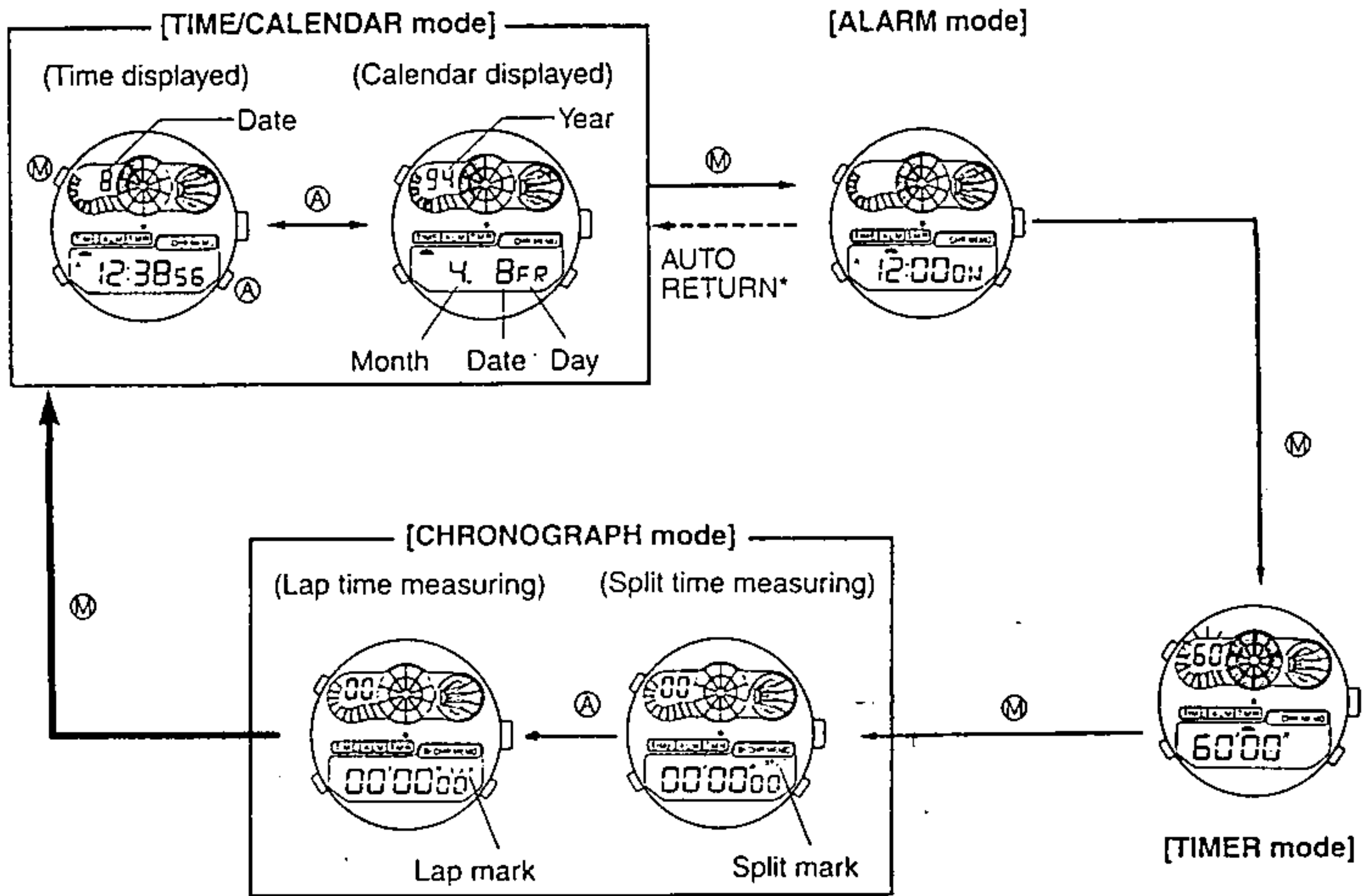


## 5. USING THE DIGITAL SYSTEM

### A. Mode Switching

This watch has four modes for the following functions: time/calendar, alarm, timer, and chronograph.

Each time The (M) button is pressed, the display is changed to another mode.



#### \*AUTO RETURN

If the watch is left in the alarm mode for 2 minutes without operating any buttons, it will automatically return to the time/calendar mode.

### B. Adjusting the Time/Calendar

#### ① Adjustment of seconds

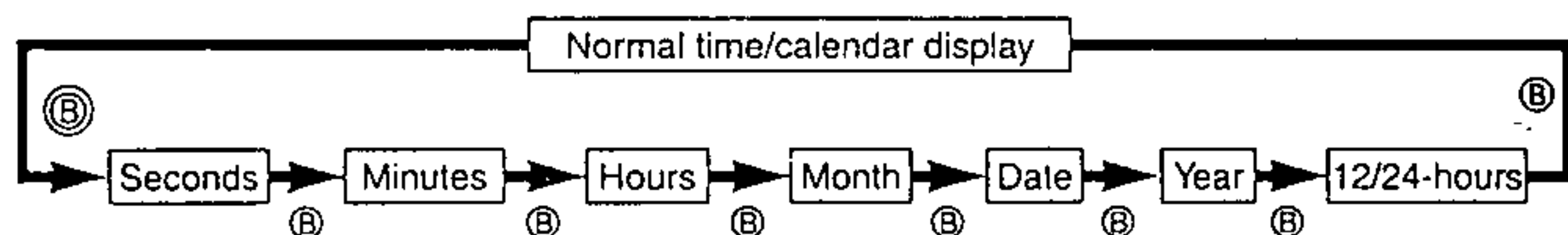
- (1) When the (B) button is pressed for 2 seconds or more, the watch enters adjustment mode with the seconds flashing.
- (2) When the (A) button is pressed while the seconds are flashing, the seconds display is reset to "00".



#### ② Adjusting the time/calendar

- (1) Each time the (B) button is pressed during the adjustment mode (when the seconds are flashing), the flashing display changes sequentially. Press the (B) button the required number of times to reach the display to be adjusted.

(Button operation)  
 (B): Press once.  
 (B): Press for 2 seconds or more.



(2) Press the **(A)** button for each digit adjustment. (Rapid advance can be made by depressing the **(A)** button.)

- For the 12-hour display, note AM/PM

- Auto return:

If the watch is left in the adjustment mode (while any display is flashing) for 2 minutes without operating any buttons, the auto-return system returns to the normal time display.

- Manual return:

Pressing the **(M)** button in the time/calendar adjustment mode (while any display is flashing) causes the display to return to the normal time/calendar display.)

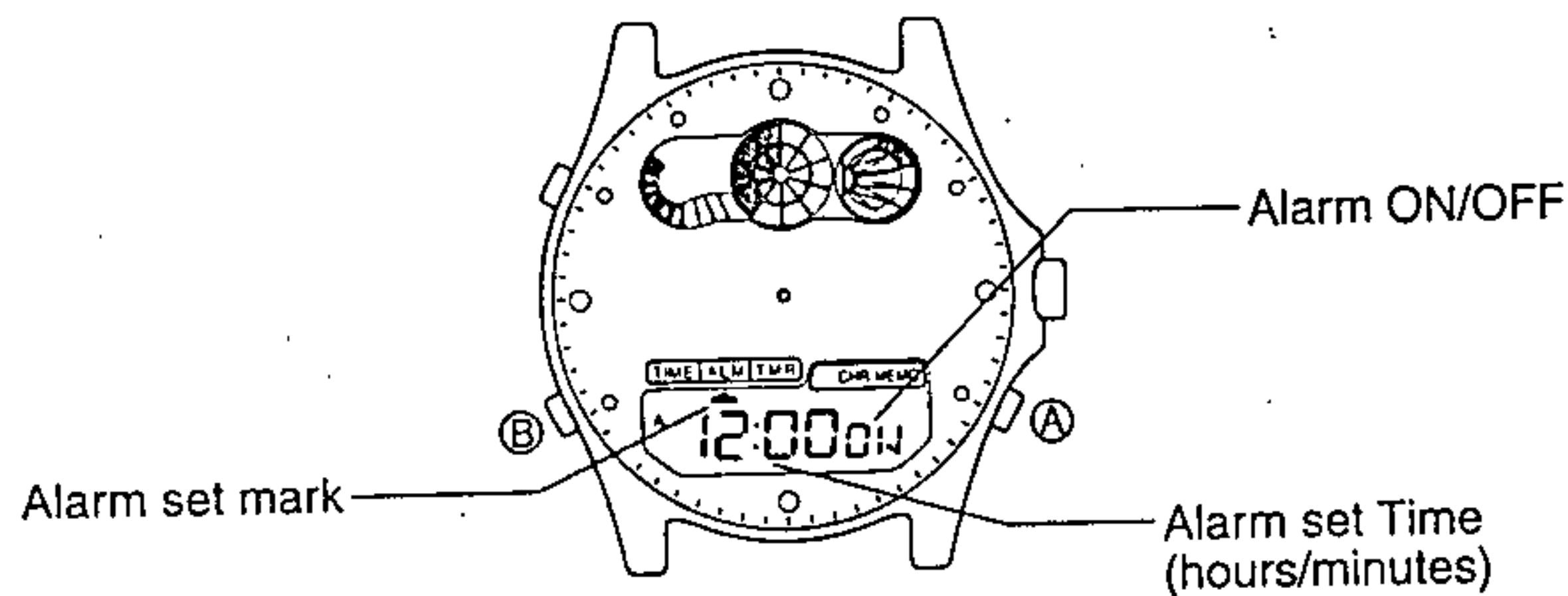
- The calendar can be set from 1994 to 2099.

- The day of the week is automatically set when the year, month and date are adjusted.

- If a non-existent date (for example, February 30) is set during adjustment, the time/calendar display will show the 1st day of the next month when returned to the normal time/calendar mode.

- Because the auto-calendar is used, no adjustment at the end of the month is needed.

### C. Using the alarm



#### ① Setting the alarm

The alarm can be set by following the same procedure as that for the time/calendar adjustment. Select the (flashing) display to be adjusted by pressing the **(B)** button in the alarm mode and set the time when the alarm sounds by using the **(A)** button.

\* If the time/calendar mode employs the 12-hour system for the hours display, the alarm set time is also shown by the 12-hour system, so AM/PM should be noted.

#### ② Switching the alarm ON/OFF

The alarm can be switched ON/OFF by pressing the **(A)** button in the alarm mode.

The alarm will sound for 20 seconds.

While the **(A)** button is depressed, the monitoring alarm sounds.

#### ③ Stopping the alarm sound

Press any button to stop the alarm sound.

### D. Using the Timer

The timer can be set in one minute increments up to 60 minutes.



### ① Setting the timer

By pressing the (B) button in the timer mode while the set time is flashing, the set time is decreased in one-minute increments.

Press the (B) button repeatedly until the display shows the desired set time. (Rapid advance can be made by depressing the (B) button.)

### ② Using the timer

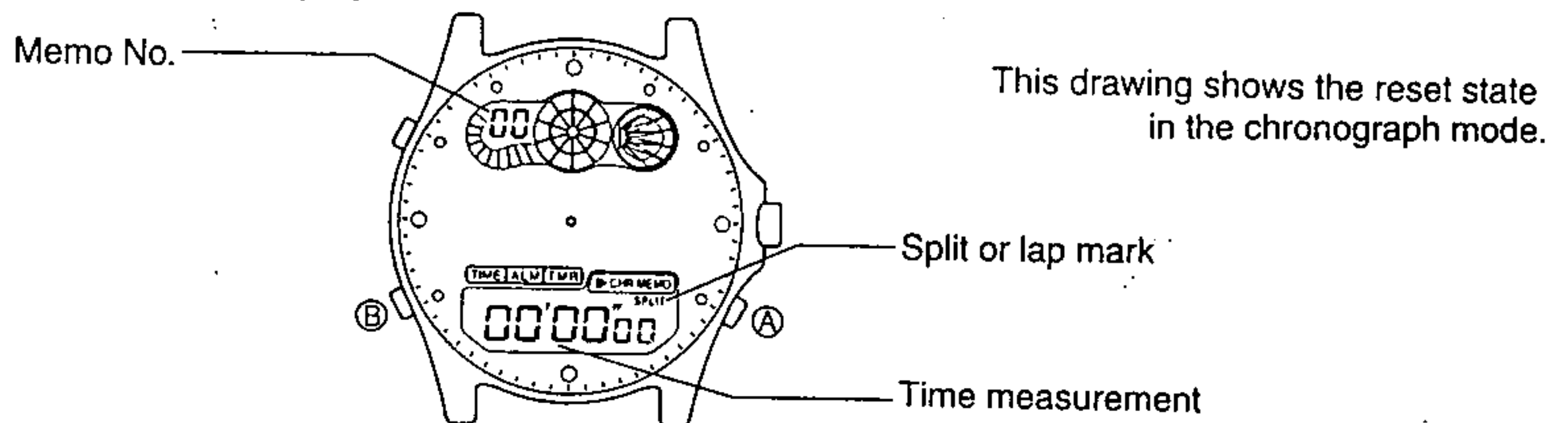
- (1) By pressing the (A) button, the timer starts counting down from the set time.
- (2) When the (A) button is pressed during measurement, the timer will stop. When the (A) button is pressed in the stop state, the timer will resume countdown.  
If the (B) button is pressed in the stop state, the timer will be reset to the timer set time.
- (3) After the time measurement ends, the timer will be sounded for about 5 seconds. Then the timer will return to the timer set time.

#### <Timer restart function>

Pressing the (B) button during measurement causes the timer to return to the timer set time and starts counting down again.

## E. Using Chronograph (Stopwatch)

### ① Chronograph mode display



### ② Using the Chronograph

For the chronograph, either split time measurement or lap time measurement can be used optionally. A maximum of 10 split or 10 lap times can be memorized. The time when each split or lap time measurement was finished can be recalled after all of the required measurements have been taken.

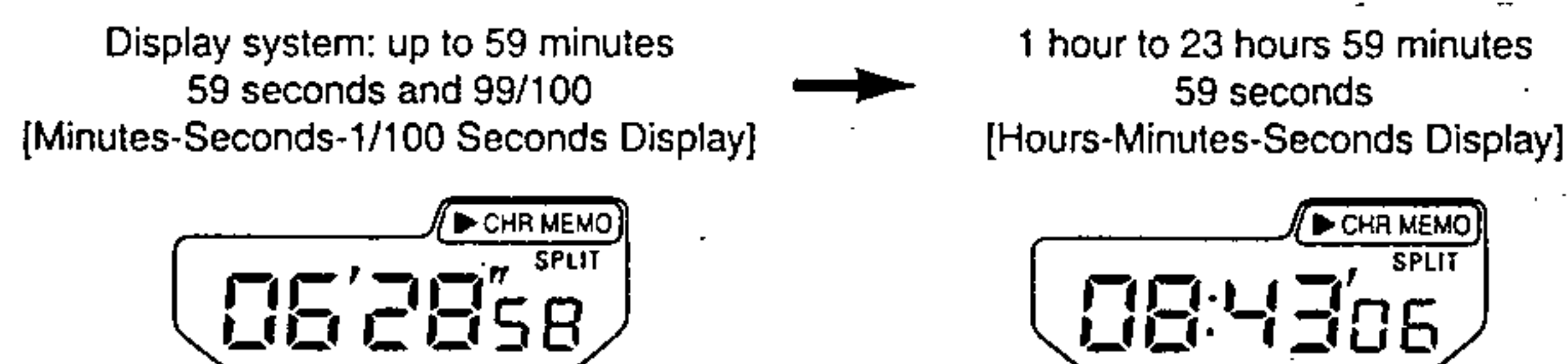
The same procedure is used for both split and lap measurements.

- (1) Select either the split time measurement or the lap time measurement by pressing the (M) button
- (2) Press the (A) button to start and stop the chronograph. (Stop and start can be repeated any required number of times simply by pressing the (A) button during the chronograph mode.)
- (3) When the (B) button is pressed during the chronograph measurement, the split or lap time is displayed for 10 seconds, after which the running display continues.
- (4) When the (B) button is pressed in the stop state, the chronograph mode is switched to the reset state.

Measurement time range:

0 hours 00 minutes 00 seconds 00 to 23 hours 59 minutes 59 seconds (24-hour system)

\*A measurement over 24 hour is automatically stopped in the reset state.

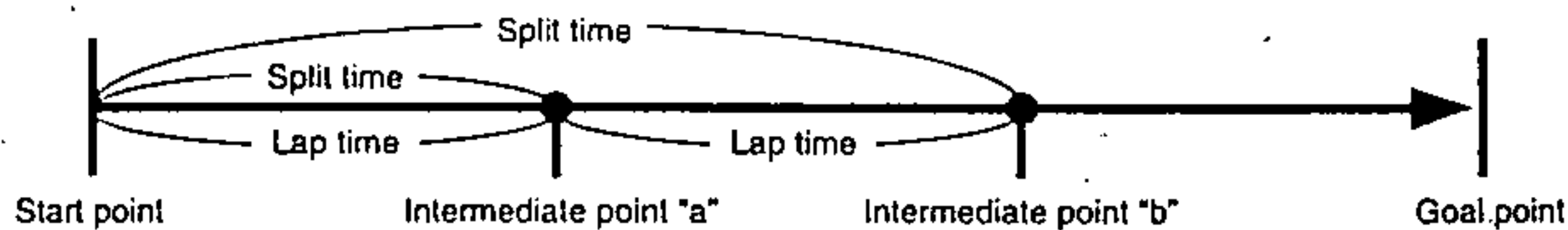




### Split Time and Lap Time

Split time: time elapsed from the starting point to an intermediate point

Lap time: time elapsed in a particular section



### ③ Chrono-memo function

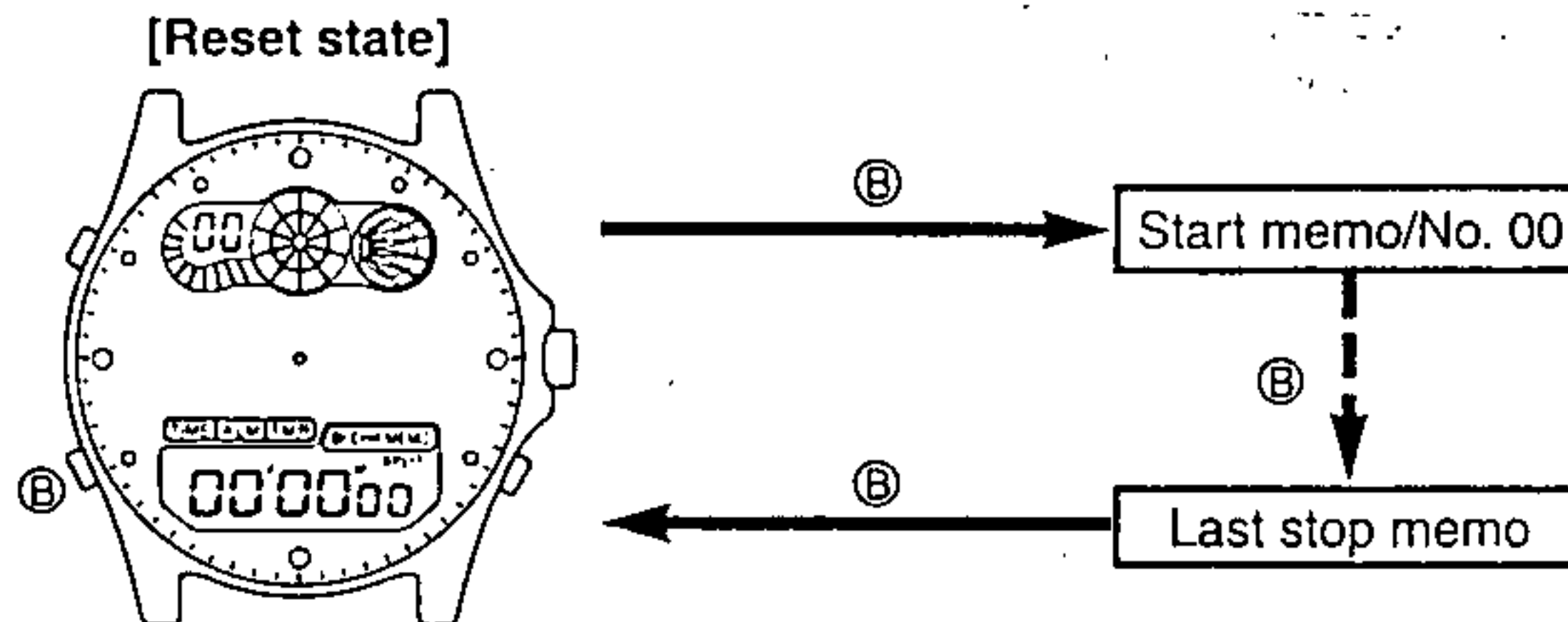
Each time a series of start, stop and split time measurements or lap time measurement is performed in the chronograph mode, the memo number is increased by one.

The time measurement and the time when the measurement was finished are recorded as a chrono-memo. This memo can be recalled after the final measurement.

#### (Notes)

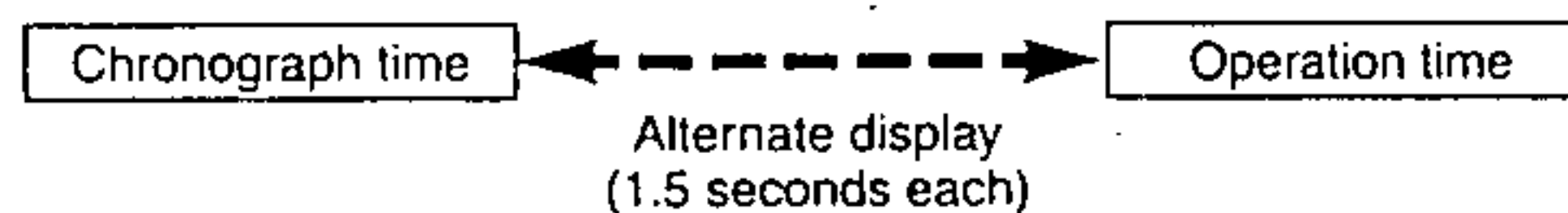
- 00 to 99 memo numbers are available, but the number of memos that can be recalled after the measurements, is a maximum of 10 (No. 0 - 8 and the final stop data).
- The memos are erased at the start of the next chronograph use, or by the all reset operation, refer to the ALL RESET OPERATION section (Page 7). If necessary, data should be recorded separately.

### ④ Recalling the chrono memos



The same procedure is used to recall split time memos and lap time memos.

- (1) Press the **B** button in the reset state during the chronograph mode (split time measurement chronograph or lap time measurement), then the start memo display (memo No. 00) is activated. The chronograph start time (00'00" 00) and the operation time (current time when lap or split time is measured) are displayed alternately for 1.5 seconds each.



- (2) By pressing the **B** button repeatedly, memos NO. 01 to 08 and the last stop memo can be recalled.

(For any memo, the elapsed time and the time when the measurement has finished are displayed alternately for 1.5 seconds each.)

- (3) When the **B** button is pressed after the last stop memo is called, the display returns to the reset state.

(By pressing the **B** button for 2 seconds or more with a memo recalled, the display also returns to the reset state.)

#### (Notes)

- If the number of memos including the start memo is over 10, only memos No. 00 (start memo) to No. 08 and the last stop memo can be recalled. Memos No. 09 and subsequent memos cannot be recalled.

**⑤ Split time/lap time conversion function**

After the split time measurement is completed, when the memos is recalled in the lap time measurement chronograph mode, the split time will be converted to the appropriate lap time.

The conversion from lap time to split time can be performed in the same manner.

**F. All Reset Operation**

After replacement of the battery or in case of incorrect display and operation (for example, the display is turned off or the alarm continues to sound) as a result of the watch being subject to a strong impact, perform the ALL RESET OPERATION as follows:

- (1) Pull the crown out to position (1).
- (2) Press the **(A)**, **(B)** and **(M)** buttons simultaneously. (When these buttons are depressed, the display is turned off.)
- (3) Release the buttons. (Display of all parts is turned on.)
- (4) Press the crown back into place. (At the same time, the confirmation sounds for 2 seconds.)  
The ALL RESET OPERATION is finished.
- (5) Then set the time correctly.