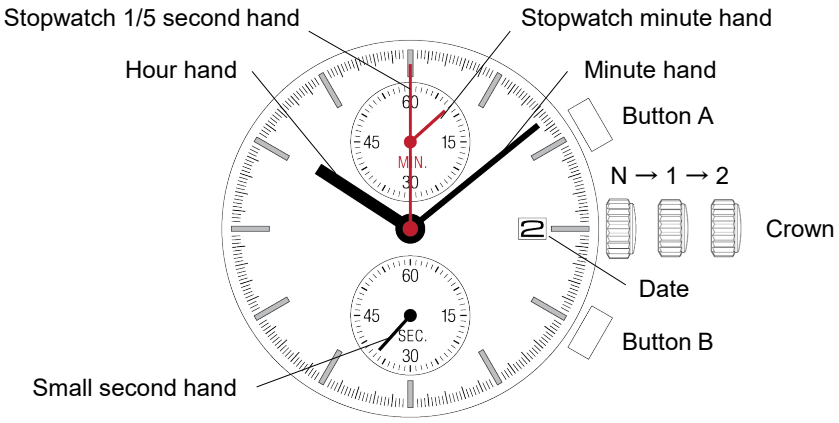
Instruction of Watch Movement

Cal. YM91A

CHRONOGRAPH
- 1/5 sec. chronograph

◆ Display



◆ Crown and button operation

	Crown position		
	N : normal	1 : 1st click	2 : 2nd click
Crown	Free	Turn clockwise for date change	Time setting
Button A	Stopwatch Start Stop Restart	Stopwatch Start Stop Restart	Stopwatch hand position adjustment
Button B	Stopwatch Reset Split Split release	Stopwatch Reset Split Split release	Stopwatch hand position adjustment

◆ How to set time

(1) Pull the crown out to the 2nd click position when the second hand is at the 12 o'clock position.
- When the stopwatch is measuring, if the crown is pulled out to the 2nd click position, it will automatically reset the stopwatch hands to "0" position.

(2) Turn the crown to set the hour and minute hands.
Take a.m./p.m. into consideration when setting the hour and minute hands to the desired time.
- The hands be set to the time a few minutes ahead of the current time, taking into consideration the time required to adjust the stopwatch hands position if necessary.
- When setting the minute hand, advance it 4 to 5 minutes ahead of the desired time and then turn it back to the exact time.

(3) Push the crown back to the normal position.

◆ How to set date

(1) Pull the crown out to the 1st click position.

(2) Turn the crown to set the date.
- Do not set the date between 9:00 p.m. and 1:00 a.m..

(3) Push the crown back to the normal position.

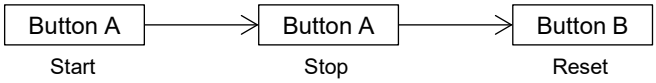
Tips : When the date change during daytime, it happens when a.m./p.m. is wrongly set. Advance the hour hand by 12 hours.

Internal

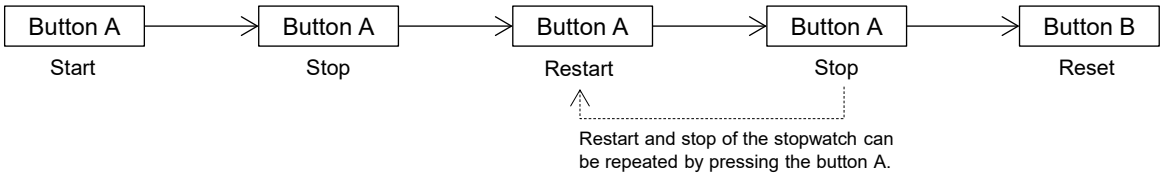
◆ How to use stopwatch function

- The stopwatch can measure up to 59'59"80 in 1/5 second increments.
- When the measurement reaches 12 hours, the stopwatch automatically stops counting.

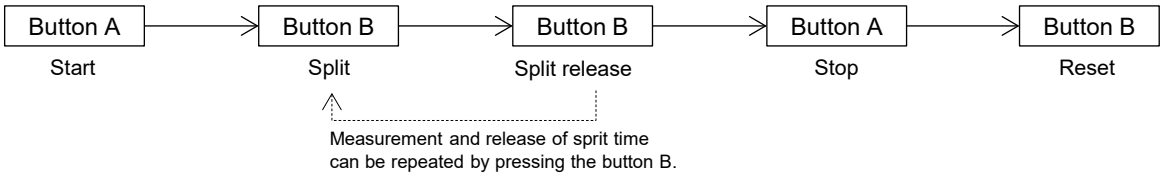
■ Standard measurement



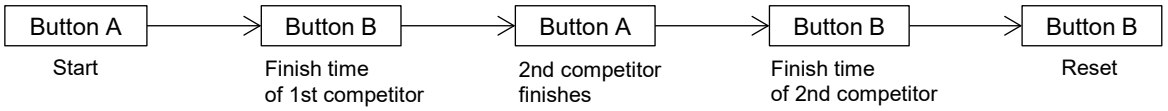
■ Accumulated elapsed time measurement



■ Split time measurement



■ Measurement of two competitors



- The stopwatch 1/5 second hand is capable of timing 12 hours. (60 seconds x 720 times)
- The stopwatch minute hand is capable of timing 12 hours. (60 minutes x 12 times)
- Before using the stopwatch, be sure to check that the crown is set at the normal position and that the stopwatch hands are reset to the "0" position.
  - If the stopwatch hands do not return to the "0" position when the stopwatch is reset to "0", follow the procedure in "Stopwatch hand position adjustment".

◆ Power depletion warning function

When the battery nears its end, the small second hand moves at two-second intervals instead of the normal one-second intervals. In that case, have the battery replaced with a new one as soon as possible.

- The watch remains accurate while the small second hand is moving at two-second intervals.

◆ Stopwatch hand position adjustment

If the stopwatch hands are not in the “60" position, follow the procedures below to set them.

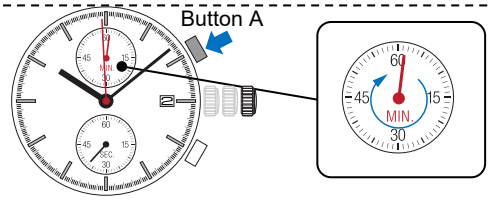
(1) Pull out the crown to the 2nd click position.

- When the stopwatch is measuring, if the crown is pulled out to the 2nd click position, it will be automatically reset.

Adjust the stopwatch minute hand.

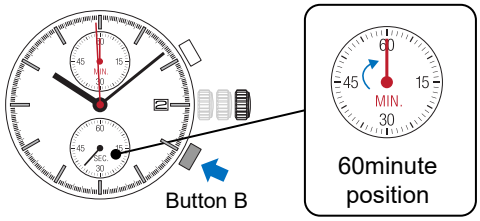
(2) Press the button A for longer than 2 seconds.

- The stopwatch minute hand turns a full round and can now be set to the correct position.



(3) Press the button B repeatedly to set it to the “60" position.

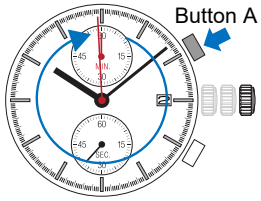
Tips: When setting the hands, the hand moves quickly if the button B is kept pressed.



Adjust the stopwatch 1/5 second hand.

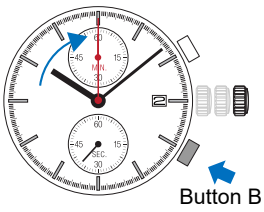
(4) Press the button A for longer than 2 seconds.

- The stopwatch 1/5 second hand turns a full round and can now be set to the correct position.



(5) Press the button B to repeatedly move "0" position.

Tips: When setting the hands, the hand moves quickly if the button B is kept pressed.



(6) Push the crown back to the normal position.

(7) Set the time and calendar.

- After doing the reference position adjustment mode, the time may gain or lose time..

Internal