

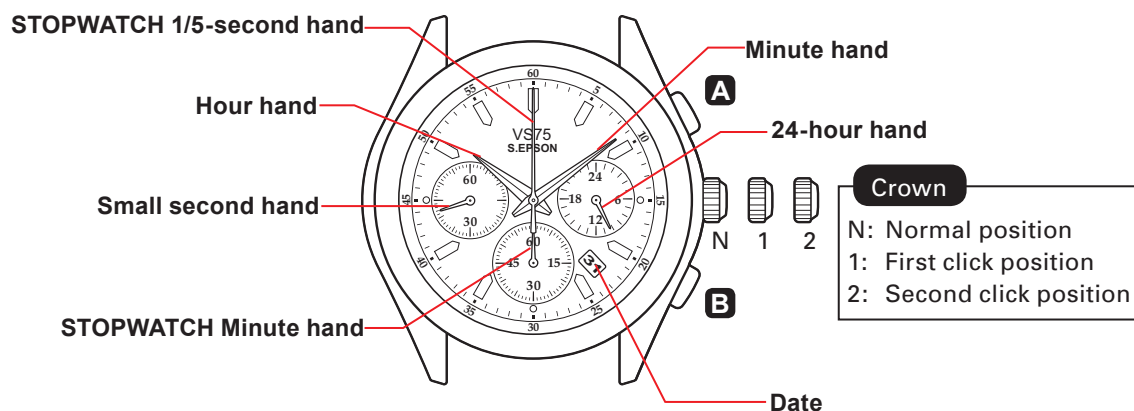
CAL.VS75

1/5-SECOND CHRONOGRAPH

1/6 Instructions

Features

- ◆ 24-hour, hour and minute hands, and small second hand
- ◆ Date
- ◆ Stopwatch
 - 2 Stopwatch hands: 1/5-second and minute hands.
 - The stopwatch can measure up to 59' 59"8 in 1/5 second increments.
 - Split time measurement is available.



Movement Size	12'''
Outside Diameter	ø27.60mm (12H-6H) x 24.00 mm (3H-9H)
Casing Diameter	ø27.00mm (12H-6H)
Height	4.40 mm (Including the secondary battery)

- ◆ Timing of date change
The date moves forward by one day between 11:00 p.m. and 12:00 midnight.



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How to charge and start the watch

◆ TO CHARGE THE WATCH

- When you start the watch or when the energy in the rechargeable battery is reduced to an extremely low level, charge it sufficiently by exposing the watch to light.

◆ NOTE

- It is not necessary to charge the watch fully. It is important, however, to charge the watch sufficiently, especially in case of initial charge.

◆ CAUTION

Care in charging

- When charging the watch, do not place it too close to a hot light source such as a photoflash light, spotlight or incandescent light as this can greatly raise the watch temperature.
- When charging the watch by sunlight, do not leave it exposed to the sun for a long time, on the dashboard of a car, etc., as this can greatly raise the watch temperature.
- Make sure the watch temperature does not exceed 50°C while charging, to avoid damage to the parts inside.



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Guidelines for charging time

(Dial transparency is 30%)

			Time required (approx.)		
Illumination (Lux)	Light source	Environment	A (Hours)	B☆ (Hours)	C (Minutes)
700	Fluorescent lamp	Inside office	-	35	90
3,000		30W 20 cm	65	8	20
10,000	Sunlight	Cloudy	18	2.5	6
100,000		Fine weather	5	36 minutes	2

<Reference> The illuminance of 1,000 Lx is 70cm under from 30W fluorescent lamp.

Condition A: Time required for full charge

Condition B: Time required for steady operation

Condition C: Time required for 1 day's charge

☆ The values in this column represent the charging times required until the second hand moves constantly at 1-second intervals after the watch starts operating with the second hand moving at 2-second intervals.

Even if the watch is not charged for the time specified in the column, the second hand may temporarily move at 1-second intervals. But it will soon resume moving at 2-second intervals, and therefore, charge the watch for more than the specified period.

The above table provides only general guidelines.

When the watch is fully charged, it will continue to operate for about 6 months.



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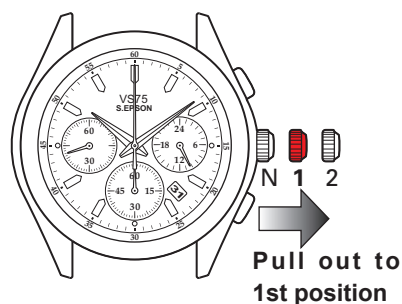
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1/5-SECOND CHRONOGRAPH

4/6 Instructions

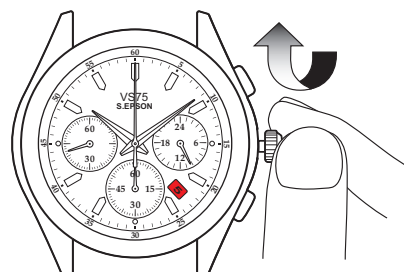
How to set the time and date

①



- Pull the crown out to the 1st click position.

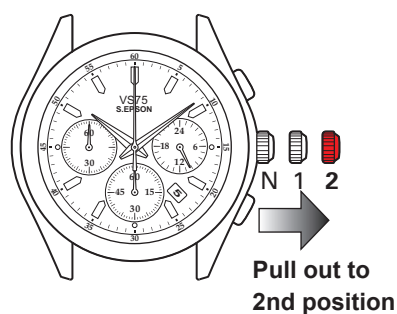
②



- Turn the crown clockwise until the previous day's date appears.

Note: Do not set the date between 9:00 PM and 1:00 AM. Otherwise, the date may not change properly.

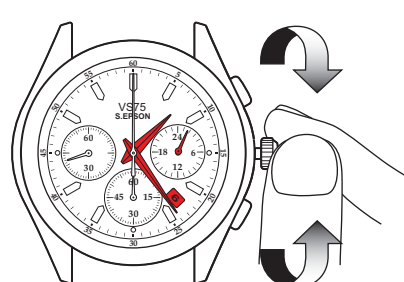
③



- Pull the crown out to the 2nd click position when the second hand is at the 12 o'clock position.

Note: While the stopwatch is running or has been stopped while running, if the crown is pulled out to the 2nd click position, the stopwatch will be automatically reset.

④

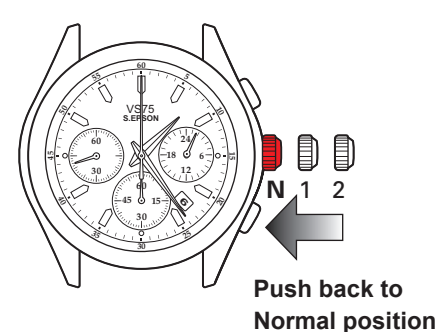


- Turn the crown to set the hour and minute hands.
- Turn the crown clockwise to advance the hour and minute hands past 12:00 midnight. This will advance the date to the current date.
- Take AM/PM into consideration when setting the hour and minute hands to the desired time.

Recommend:

- The hands should be set to the time a few minutes ahead of the current time, taking into consideration the time required to adjust the stopwatch hand position if necessary.
- When setting the minute hand, first advance it 4 to 5 minutes ahead of the desired time and then turn it back to the exact minute(s).

⑤



- Push the crown back to the normal position.

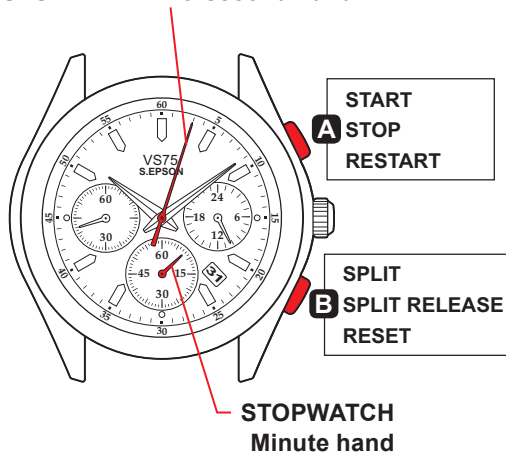


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How to use stopwatch functions

- The stopwatch can measure up to 59'59"8 in 1/5-second increments.
- When the measurement reaches 60 minutes, the stopwatch automatically stops counting.
- Split time measurement is available.

STOPWATCH 1/5-second hand



Standard Measurement



Accumulated Elapsed Time Measurement



Split Time Measurement



Measurement of Two Competitors



- The stopwatch 1/5-second hand is capable of timing 60 minutes. (60 seconds x 60 times)
- The stopwatch minute hand is capable of timing 60 minutes.

* 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.

Note: 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".



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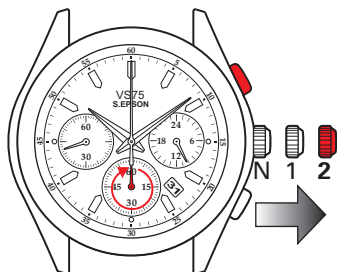
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Stopwatch hand position adjustment

If the stopwatch hands are not in the "0" position, follow the procedures below to set them to the "0" position.

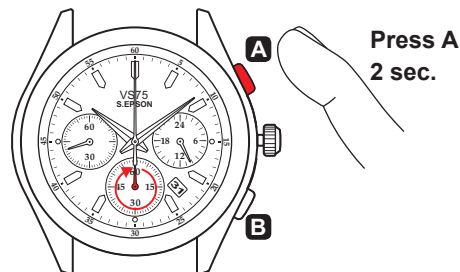
①



- Pull the crown out to the 2nd click position.

Note: While the stopwatch is running or has been stopped while running, if the crown is pulled out to the 2nd click position, the stopwatch will be automatically reset.

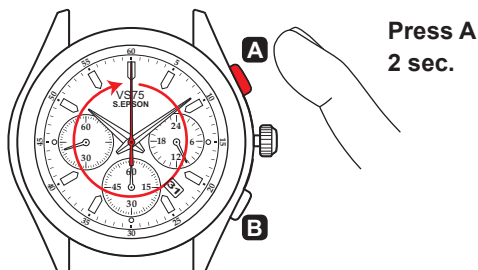
②



- Press Button "A" for 2 seconds.
-The stopwatch minute hand turns a full round and can be set to correct position.
- Press Button "B" repeatedly to set it to the "0" position.

Note: The stopwatch minute hand moves quickly if Button "B" is kept pressed.

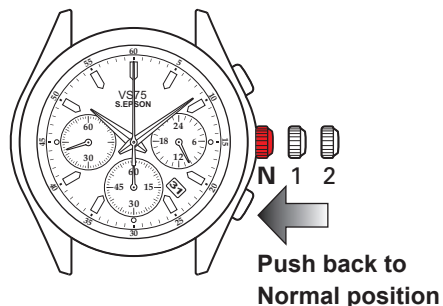
③



- Press Button "A" for 2 seconds.
- The stopwatch 1/5-second hand turns a full round and can now be set to the correct position.
- Press Button "B" repeatedly to set it to the "0" position.

Note: The stopwatch 1/5-second hand moves quickly if Button "B" is kept pressed.

④



- Push the crown back to the normal position.