

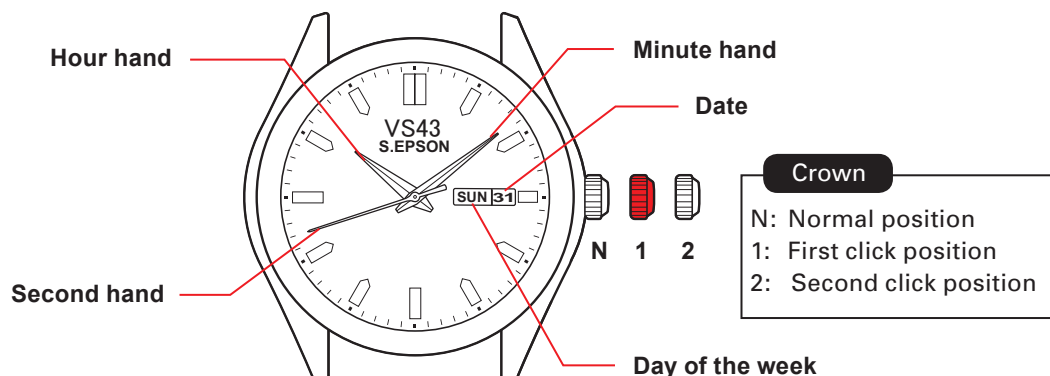
CAL.VS43

3 Hands / Day and Date

1/6 Instructions

Features

- ◆ Hour, Minute and Second hands
- ◆ Date
- ◆ Day of the week



Movement size	11 1/2"
Outside Diameter	ø28.60
Height	3.09 mm (Including the secondary battery 3.50 mm)

- ◆ Timing of date change

The date moves forward by one day between 11:00 PM and 12:00 midnight.

The day of the week moves forward by one day between 2:00 AM and 4:00 AM.



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How to charge and start the watch

◆ Charging the watch

- When you start the watch or when the energy remaining in the rechargeable battery is very low, charge it sufficiently by exposing the watch to light.

◆ Quick-start function

- When the watch is exposed to sunlight or strong artificial light (of more than 1,000 lux.), it will start operating immediately, with the second hand moving at 2-second intervals.
- Expose the watch to sunlight or strong artificial light.
 - * When the watch has stopped operating, the second hand will start moving at 2-second intervals.
- Keep the watch exposed to the light until the second hand moves at 1-second intervals.
- When the watch is charged after it has completely stopped, set the date and time before wearing the watch.
 - * See "Guideline on charging time" on page 3.

◆ Note

- When the quick-start function is activated after the watch is exposed to light, the second hand immediately starts moving at 2-second intervals, but the energy stored in the rechargeable battery is not yet sufficient. If the watch is turned away from the light, it may stop operating.
- It is not necessary to charge the watch fully. It is important, however, to charge the watch sufficiently, especially in the case of initial charging.

◆ Caution

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	-	33	47
3,000		30W 20 cm	47	8	15
10,000	Sunlight	Cloudy	13	2	4
100,000		Fine weather	5	42 minutes	1

<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 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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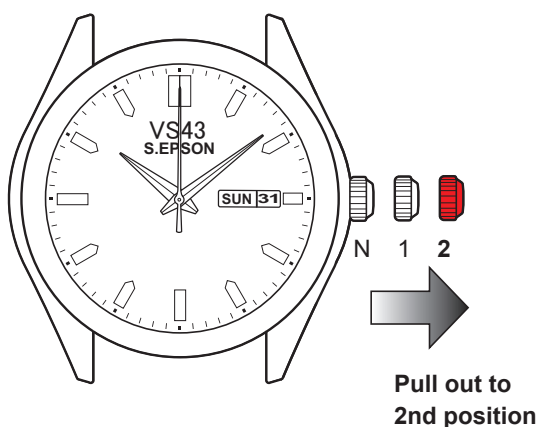
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3 Hands / Day and Date

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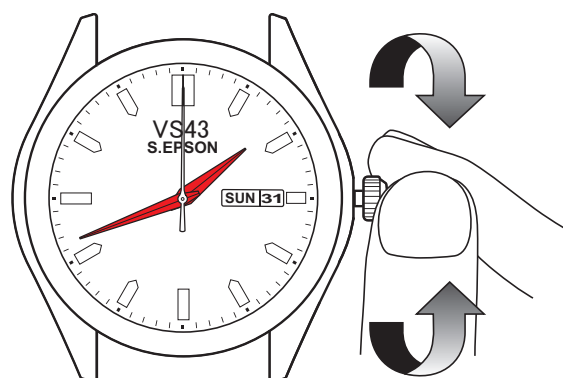
How to set time

①



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

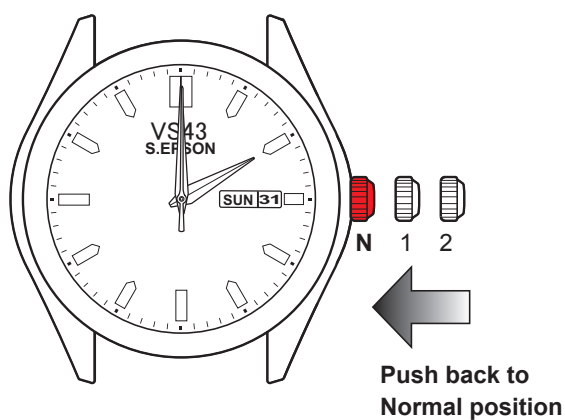
②



- Turn the crown to set the hour and minute hands. Set the hour and minute hands to the desired time taking AM/PM into consideration.

Note: When setting the minute hand, first advance it 4 to 5 minutes ahead of the desired time and then turn it back to exact time.

③



- Push the crown back to the normal position. Check the second hand begins to move.



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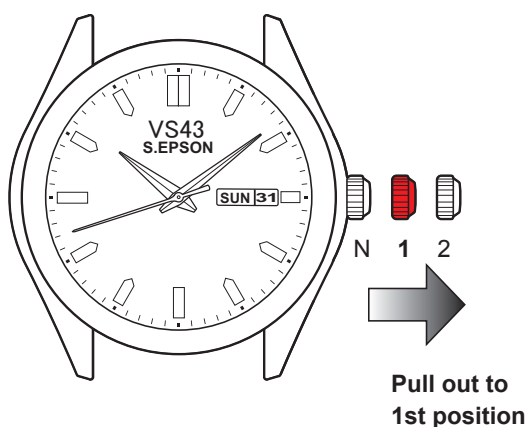
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3 Hands / Day and Date

5/6
Instructions

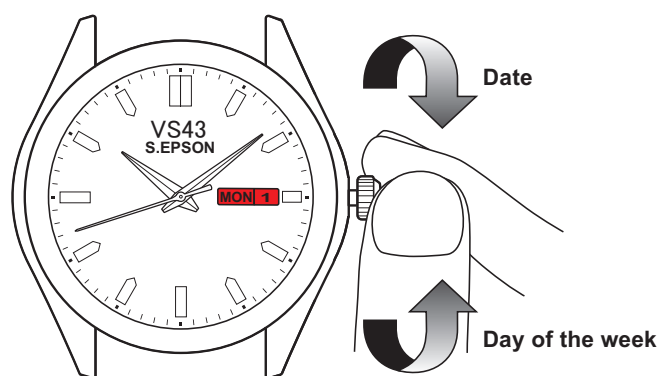
How to set date and day of the week

①



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

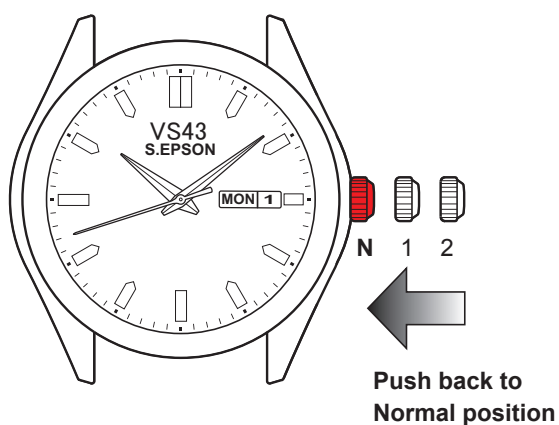
②



- Turn the crown to set the date and the day of the week.

Note: Please do not set the date between 9:00 PM and 4:00 AM

③



- Push the crown back to the normal position.



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3 Hands / Day and Date

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Note

◆ Energy depletion forewarning function

- When the energy stored in the rechargeable battery is reduced to an extremely low level, the second hand starts moving at 2-second intervals instead of the normal 1-second intervals.
- In that case, recharge the watch as soon as possible by exposing it to light. Otherwise, the watch may stop operating in about 1 day.

◆ To prevent energy depletion

- Avoid covering the watch face with your clothing while wearing it.
- When the watch is not in use, leave it in a brightly lit place for as long as possible.
 - * Make sure that the watch temperature does not exceed 50°C.

◆ Note on power supply

- This watch is provided with a rechargeable battery for exclusive use with the watch. Unlike with conventional battery-powered watches, therefore, battery replacement is not necessary.
- The solar cell is a clean energy source and has no adverse effect on the natural environment.

◆ Caution

- Never insert a conventional silver oxide battery in your watch as it may explode, generate intense heat or catch fire. The watch is so designed that even if such a battery is installed it will not operate.



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