

Main Features

This watch is a multi-hand analog quartz watch equipped with numerous functions including a chime function using an electronic tone, fully automatic calendar function, which corrects the date for each month including leap years, and a chronograph function that is able to measure time for up to 12 hours.

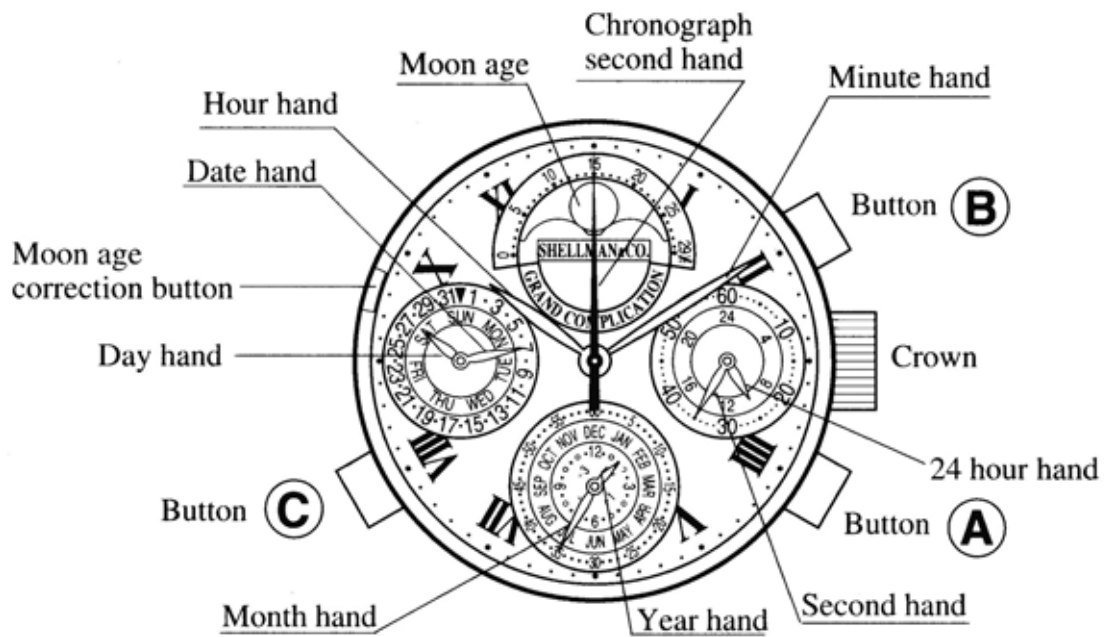


Chart 1

Setting the Time (Chart 1)

1. Setting the Time and Day of the Basic Clock

- (1) Pull out the crown to the 2nd position so that the second hand stops at 0 seconds.
- (2) Turn the crown in the clockwise direction (so that the hour and minute hands rotate clockwise) to set the day.
- (3) Turn the crown either to the right or left to set the hours, minutes and 24 hour hand to the current time.
*Set the time while paying attention to AM and PM by looking at the 24 hour hand.
- (4) Always make sure to return the crown to the normal position.

Once the time has been set for the basic clock, always make sure to set the time of the chime clock according to the time of the basic clock.
If the time is different between the basic clock and chime clock, the chime will not sound at the correct time shown on the basic clock (current time).

2. Setting the Time of the Chime Clock

- (1) Pull out the crown to the 2nd position so that the second hand of the basic clock stops at 0 seconds.
- (2) Push button **A** or **B** and set the year and month hands to the time of the basic clock.
*Button **A** : Hands move forward 1 minute each time it is pressed.
*Button **B** : Hands move backward 1 minute each time it is pressed.
Pressing button **A** or **B** continuously causes the hands to advance rapidly.
- (3) The basic clock and chime clock can be synchronized with a telephone time service or other official time service by pushing in the crown to the 1st or normal position at the same time you hear the tone.
- (4) The chime clock will return to the year and month display when the crown is pushed in. Setting the chime clock to the time in another city based on the time of the basic clock enables the chime clock to be used to indicate local time in that city. Press button **B** to find out the local time.

3. Using the Chime Clock

*The chime clock is a convenient function that lets you know the time (hours and minutes).

- (1) Pressing button **B** in the time and calendar display informs you of the current time with an electronic tone.
*The crown should be in the normal position.

(Interpretation of Chime Tones)

Hour tones: A high-pitched tone will sound at 1 second intervals for the number of hours from 1:00 to 12:00 (there is no distinction between AM and PM).

Minute tones: A combination of high-pitch and low-pitch tone will sound for every 15 minutes past the hour. The number of minutes past that 15 minutes interval is sounded with a low-pitch tone.

(Example): Current time is 4:34

4 hours: A high-pitched tone sounds 4 times at 1 second intervals.

30 minutes: 1 second after the hour tone has sounded, a combination of high-pitched and low-pitched tone sounds twice at 1 second intervals.

4 minutes: 1 second after the 30 minute tone has sounded, a low-pitched tone sounds 4 times at 1 second intervals.

Setting the Calendar (Chart 1)

1. Setting Date, Month and Year(Leap Year)

- (1) Pull out the crown to the 1st position.
- (2) Press button **A** or **B** to set the month and year (leap year for number of years passed since the last leap year).
 - *Button **A**: The hand moves forward by 1 month each time it is pressed.
 - *Button **B**: The hand moves backward by 1 month each time it is pressed.
- (3) Press button **C** to set the date.
 - *The date advances by 1 day each time button **C** is pressed.
 - Pressing button **A**, **B** or **C** continuously causes the hands to advance rapidly.
- (4) Return in the crown to the normal position.

Since the day is linked with the operation of the basic clock (24 hour, and minute hands), make sure to also set the day when setting the time.

<Leap Year Time Difference Quick Reference Chart> (Chart2)

Year	Time difference from leap year(s)	Year	Time difference from leap year(s)
2004	Leap year	2008	Leap year
2005	1st year	2009	1st year
2006	2nd year	2010	2nd year
2007	3rd year	2011	3rd year

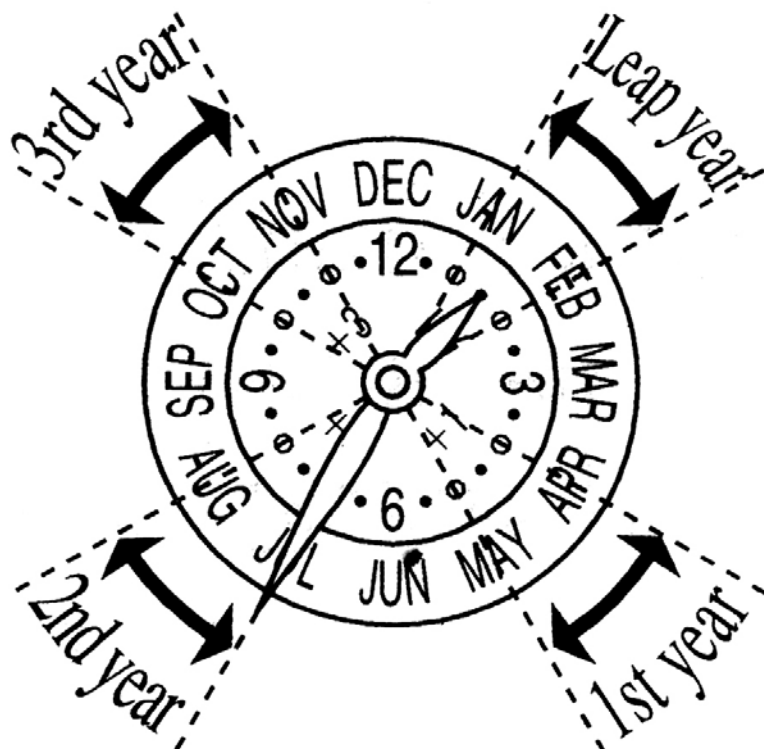


Chart2

2. Setting the Moon Age

The moon age can be corrected regardless of the position of the crown.

(1) Press the moon age correction button to set the age of the moon.

*Look in a newspaper to find out the moon age for the day, and then set the moon mark while referring to the moon age reference chart shown below.

<Moon age Reference Chart> (Chart3)

The indication of moon age is shown to indicate the age of the moon and not its shape. It can be used as a general indicator of moon age.

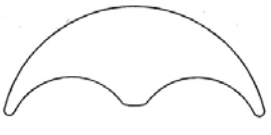

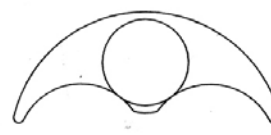

New moon Moon age: 0 (high tide)	First quarter Moon age: approx. 7 (low tide)	Full moon Moon age: approx. 15 (high tide)	Last quarter Moon age: approx. 28 (low tide)
			

Chart3

<Accurate Setting of Moon Age>

Moon age can be set more accurately by setting the moon age either during a new moon (when the moon mark is not visible; moon age: 0 days) or during a full moon (when the moon mark is facing straight up (in the direction of 12:00); moon age: approx. 15 days).

You can set each indication by the above ways. However when all reset was done, or you cannot set well by those procedure, please reset everything.

Please check the reference position of each hand using the following procedure to ensure that each function operates properly.

Reference position: The initial position of each hand to ensure that this watch functions properly.

Confirmation of Reference Position (Chart1)

- (1) Put the crown in the normal position.
 - *Press button **C** for at least 2 seconds to switch to the chronograph display. Check that the hands are at the positions indicated below.
Chronograph second hand: 00.00 seconds.
Year and month hands: 00.00 (12:00 position)
 - *Press button **A** for at least 2 seconds and check that the date hand is at the position indicated below.
Date hand: (Between 31 and 1)
- (2) Once you have confirmed that the hands are at the reference position, press button **C** for at least 2 seconds to return the watch to the time and calendar display.
 - *If the hands are not the reference position, set the reference position of each hand by the following procedure.

Setting the Reference Position (Chart1)

The hands of the watch will not indicate the correct positions unless the reference position is set properly. If the reference position has changed, reset it by the following procedure described below.

1. Perform the All-Reset procedure

- (1) Pull out the crown to the 2nd position.
- (2) Press buttons **A**, **B** and **C** simultaneously.
- (3) When the buttons are released, the hands will move in the order of the chronograph hand, date hand and year and month hands. A tone will sound confirming that All-Reset has been performed when this procedure is completed.

If the crown is returned to the normal or 1st position without setting the reference position after performing the All-Reset procedure, the reference position failure alarm will be activated. At this time, the date hand will turn counter-clockwise indicating that the reference position has not been set. When this happens, pull out the crown to the 2nd position again, and perform the procedure for setting the reference position.

2. Setting the Reference Position

- (1) Press button **A** and set the year and month hands to 00:00.
- (2) Press button **B** and set the chronograph second hand to 00.00 seconds.
- (3) Press button **C** and set the date hand to the position.
 - *Pressing button **A**, **B** or **C** continuously causes the hands to advance rapidly.
- (4) Always make sure to return the crown to the normal position.
 - *After setting the reference position, always make sure to reset the time (basic time and chime time) and the calendar.