

SEIKO

ASTRON



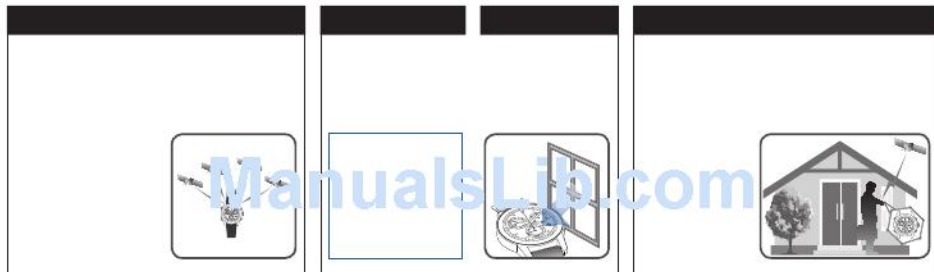
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SEIKO WATCH CORPORATION

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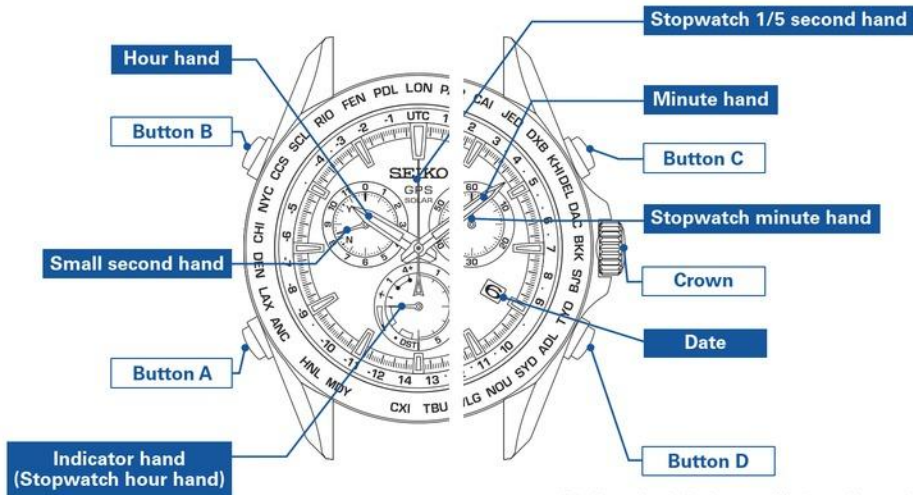
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## 2 Names of the parts



\*Position of each display may differ depending on the model (design).






	—	x	x

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# 6 Time Zone Adjustment

\* When the stopwatch is operating, the reception function

will not be activated.

## Time zone adjustment



The time zone where you are is localized to adjust just one button operation\* anywhere in the world.

\* DST (Daylight Saving Time) can be set manually.

the watch to the precise current time by

## How to adjust the time zone

**1** Go to a place where GPS signals can be easily received

Move to the outdoors under an open sky with good visibility.



**2** Continue to press Button B (6 seconds), and then release it when the second hand moves to the 30-second position.

\* Although the small second hand moves to the 0-second position 3 seconds after pressing Button B, continue to press it.

When the second hand has reached the 30-second position, reception is started.

The indicator hand points to "4+."



\* While the indicator hand points to "low" or "N", reception is not started even with operation for reception.

When the hand points to "low," charge the watch by exposing it to light.

Check whether the watch is able/unable to receive GPS signals.

When the hand points to "N", reset the in-flight mode (X).

**3** Direct the watch face upward and wait

\* Please note that it may be difficult to receive GPS signals while you are in motion.



It takes a maximum of 2 minutes to complete reception.

\* It depends on the receiving conditions.

< Display during reception (= satellites acquisition status) >

The second hand indicates ease of receiving (= number of GPS satellites from which GPS signals are received).

\* The larger the number of acquired satellites there are, the easier it is to receive GPS signals.



0 units Cannot receive  
2 units May receive  
3 units May receive  
4 units May receive  
6 units

\* Even when the hand points to 4 units or more, reception may not be allowed.

\* To cancel the reception, press Button A.



**4** When the second hand points to "Y" or "N," reception is completed.

The reception result is displayed for 5 seconds.

Then, the hour and minute hands move, and the time and date are adjusted. (The time zone is also adjusted to the local time zone.)



Check that the reception is successful after the watch returns to the time display mode.

\* During movement of the date, the buttons cannot be operated.

\* Manually set Daylight Saving Time (DST).

## Precautions on time zone adjustment

If the time zone is adjusted near a time zone boundary, the In some areas the boundaries observed by the watch may not This does not indicate a malfunction. In this case, set the When the time zone is adjusted while traveling on land, avoid representative cities in the time zone whenever possible. In make sure to check the time zone setting, and manually set the

time of the adjacent time zone may be displayed. exactly correlate to the actual time zone markers on the land. time zone in the manual time zone setting mode. time zone boundaries to carry out time zone adjustment in the addition, when the watch is used near time zone boundaries, time zone as necessary.

# 7 Manual time zone selection

## Manual time zone selection

In places where the time zone cannot be adjusted, the

time zone can be set manually.

## How to manually set the time zone

- 1** Pull out the crown to the first click

The Stopwatch 1/5-second hand moves to display the currently set time zone.



- 2** Turn the crown and set the stopwatch destination

When the crown is turned, the stopwatch 1/5-second hand moves to the next zone.



Turn the crown clockwise to advance 1 time zone.

Turn the crown counter clockwise to set back 1 time zone.

- 1/5-second hand to the time zone of the

< Display of the indicator hand >  
Displays ON/OFF setting of DST (Daylight Saving Time).

	DST	OFF	ON
Display			
Hand position	•		DST

- 3** Push the crown back in

The stopwatch 1/5-second hand returns to the 0-second position. The indicator hand returns to the display of charging status.

\* During movement of the date, the buttons and crown cannot be operated.



## 8 DST (Daylight Saving Time)



### Turn ON DST (Daylight Saving Time)

DST (Daylight Saving Time) can be manually set.

\* DST (Daylight Saving Time) is not automatically changed.


\* ON/OFF of the DST (Daylight Saving Time) is not automatically zone selection.  
When traveling to a region where DST (Daylight Saving Time) (Daylight Saving Time) setting.

changed with operation of time zone adjustment/manual time is not adopted from a region where it is adopted, turn off the DST

<p><b>1</b> Pull out the crown to the first click</p> <p>The indicator hand moves to indicate the current DST (Daylight Saving Time) setting. The stopwatch 1/5 second hand moves to indicate the current time zone.</p> <p>&lt; When DST (Daylight Saving Time) setting is OFF &gt;</p>  <p>* If the stopwatch is being used, it will be reset.</p>	<p><b>2</b> Continue to press Button B (3 seconds) within 5 seconds after operation of ①</p> <p>The indicator hand moves to point to "DST (ON)," and the hour and minute hands advance by one hour.</p>  <p>* In the Lord Howe Island time zone in Australia, the time is advanced by 30 minutes while DST (Daylight Saving Time) is in effect.</p>
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**3** Push the crown back in

The stopwatch 1/5 second hand returns to the 12 o'clock position.



### Turn OFF DST (Daylight Saving Time)

Carry out steps ① to ③ in the state where DST (Daylight Saving Time) setting is ON. In step ②, adjust the indicator hand to the "OFF" position. The hour and minute hands return by one hour.

Saving Time) setting is ON. as shown in the figure at the right.



# 9 How to manually adjust the time

\* When the stopwatch is operating, the reception function will not be activated.

## Manual time adjustment



The watch can be set to the precise current time of the currently set time zone. (The time zone is not changed.)

## How to manually adjust the time

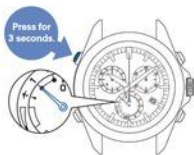
**1** Go to a place where GPS signals can be easily received

Move to the outdoors under an open sky with good visibility.



**2** Continue to press Button B (3 seconds), and then release it when the second hand moves to the 0-second position.

When the second hand has reached the 0-second position, reception is started. The indicator hand points to "1".



\* While the indicator hand points to "low" or "X", reception is not started even with operation for reception.

When the hand points to "low" charge the watch by exposing it to light.

When the hand points to "X", reset the in-flight mode (X).

**3** Direct the watch face upward and wait



It takes up to one minute to complete reception.

\* The reception time depends on the reception conditions.

< Display during reception (= satellites acquisition status) >  
The second hand indicates ease of receiving (= number of GPS satellites from which GPS signals are received).

\* To acquire only time information, the number of satellites necessary for reception is one.

Number of acquired satellites	1	0
Display		
State	Easy to receive	Cannot receive

\* To cancel the reception, press Button A.



**4** When the second hand points to "Y" or "N", reception is completed.

The reception result is displayed for 5 seconds. Then, the hour and minute hands move, and the time and date are adjusted.



Check that the reception is successful after the watch returns to the time display mode.

When the time is not correct even if "Y" is displayed, the time zone may not correspond to the region where you are. Check the time zone or DST (Daylight Saving Time) selection.

\* During movement of the date, the buttons cannot be operated.  
\* Manually set DST (Daylight Saving Time).

# 10 When boarding (in-flight mode (λ))

## ■ In-flight mode (λ)

Set to the in-flight mode (λ) where the reception may influence operation of other electronics devices in an airplane, etc. In the in-flight mode (λ), the GPS signal reception (time zone adjustment, manual time adjustment, and automatic time adjustment) does not function.

< In-flight mode (λ) >  
The indicator hand points to λ.



\* When the in-flight mode (λ) is reset, the indicator hand indicates the charging status.

## ■ Set to the in-

## flight mode (λ).

1 Continue to press Button A (3 seconds)

The indicator hand indicates the charging status.



The indicator hand points to λ.



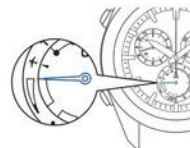
When the in-flight mode (λ) is set, the indicator hand does not indicate the charging status.

## ■ Reset the in-

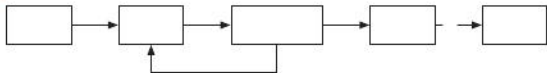
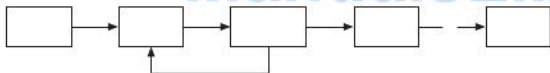
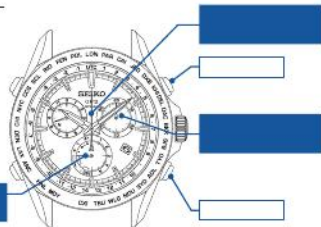
## flight mode (λ).

Carry out operation ①. When the indicator hand charging status" in the the in-flight mode (λ) can

points to "the figure at the right, be reset.



\* The display when the charging status is "full"

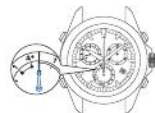


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# 13 Reception result display

## ■ Check whether the leap second data reception was successful

The successful / failed reception result of the regular leap second data reception is displayed for 5 seconds.

### 1 Press Button B and then release it

The second hand and indicator hand display the reception result.



- \* When Button B is kept pressed, the watch enters the Manual time adjustment operation.

### 2 The result of the reception is displayed

The second hand displays the result of the GPS signal reception (time adjustment or time zone adjustment).

The indicator hand points to "1" or "4+" which shows "time adjustment" or "time zone adjustment".



- \* The indicator hand points to "4+" as a result of time zone adjustment.

Second hand: Reception result (successful / failed)

Result	Successful	Failed
Display		
Position	Y 52-second position	N 38-second position

- \* After 5 seconds have elapsed or when Button A is pressed, the watch returns to the time display mode.

### 3 Press Button B and then release it while the result of the reception is displayed (for 5 seconds) in step 2

The second hand displays the result of the leap second data reception (successful / failed).

The indicator hand displays "0" of the leap second data reception.



- \* When Button B is kept pressed, the watch enters the Manual time adjustment operation.
- \* After 5 seconds have elapsed, or when Button A is pressed, the watch returns to the time display mode.

Second hand: Reception result (successful / failed)

Result	Successful	Failed
Display		
Position	Y 52-second position	N 38-second position

- When the leap second data reception result is Y (successful)
- The leap second data reception was successful. Use the watch as it is.

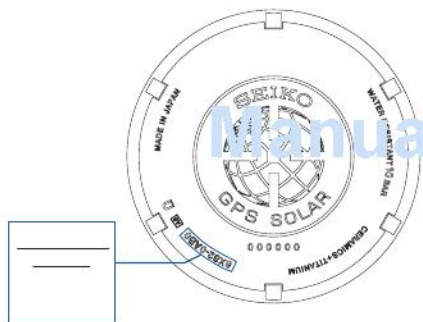
When the leap second data reception result is N (failed)

- The leap second data reception, periodically performed, has not been successful. It will be performed automatically with the next GPS signal reception (automatic time adjustment/manual time adjustment). Use the watch as it is.
- \* The leap second data is received on or after December 1<sup>st</sup> and June 1<sup>st</sup>.
- \* Even when the leap second data reception has not been successful, the time is correct until the leap second data is added (deleted).



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