



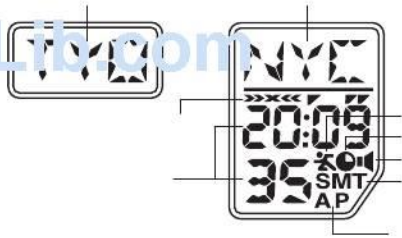
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The image features five grey circular dots arranged in a sparse pattern: one on the far left, one on the far right, one on the left side near the bottom, and two stacked vertically on the right side. The text 'ManualsLib.com' is centered in the middle of the page.

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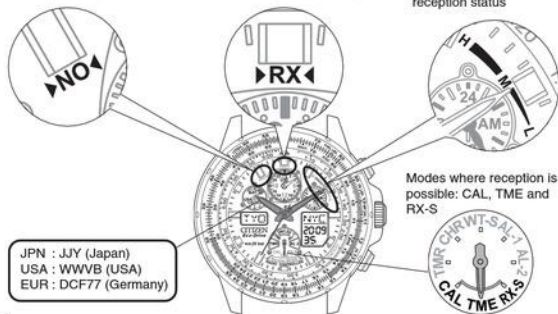
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Part Names (3): Radio Wave Reception Display

NO: Signal reception failed

RX: Reception standby

H, M, L: Reception level/
reception status



Modes where reception is possible: CAL, TME and RX-S

JPN : JJY (Japan)
USA : WWVB (USA)
EUR : DCF77 (Germany)

1. Your Watch

World Time Eco-Drive Radio Controlled Watch

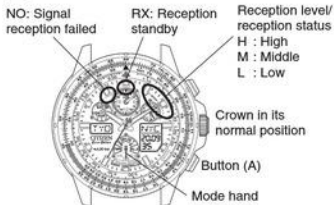
<Radio Signal Reception Function>

This watch is a radio controlled watch, which receives the standard time radio waves that are broadcast from radio wave transmitters in three regions, Japan, the USA and Europe (Germany), and uses these waves to automatically correct the time and date. (p. 18)

- ⦿ **Automatic reception:** The watch will automatically receive the radio wave up to three times a day, at 2 a.m., 3 a.m. and 4 a.m., and adjust the time and date accordingly. However, note that if the watch successfully receives the radio wave at 2 a.m., it will not perform automatic reception again at the later times.
The 4 a.m. automatic reception can be changed to any time of the day.
- ⦿ **On demand reception:** The radio wave can be received at any time of the day to adjust the time and date.
In the event that a radio signal cannot be received, the watch can be manually set and will operate keeping time within +/- 15 seconds per month.

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2. Before Use



Check the movement of the second hand.

The second hand is moving at 1-second intervals.

The second hand is moving at 2-second intervals or is stopped.

Check the reception status.

- Pull out the crown to position 1.
- Turn the crown to align the mode hand with TME.
- Return the crown to the normal position.
- Press the lower right button (A) at the 4:00 position.

(p. 26)

The second hand indicates a reception status of H, M or L

Your watch is correctly receiving the standard time radio wave. It is ready to use.

The second hand indicates a reception status of NO

Refer to "On Demand Reception" (p. 20) to perform the radio wave reception.

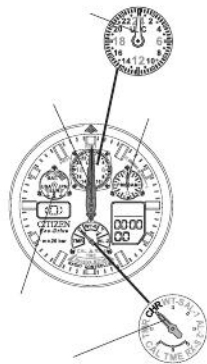
[Insufficient charging] [Fully charged]

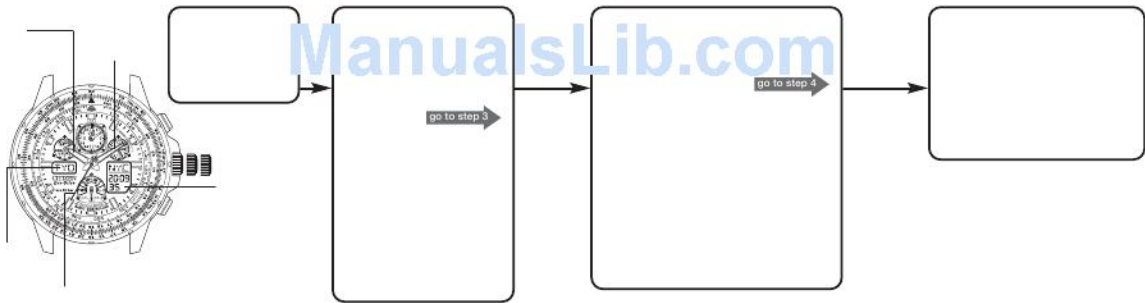


Charge the watch sufficiently by placing it in direct sunlight as indicated in "Guide to Charging Time" (p. 96).

If you are unable to receive radio waves, please inquire to the Citizen Service Center.

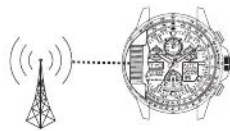
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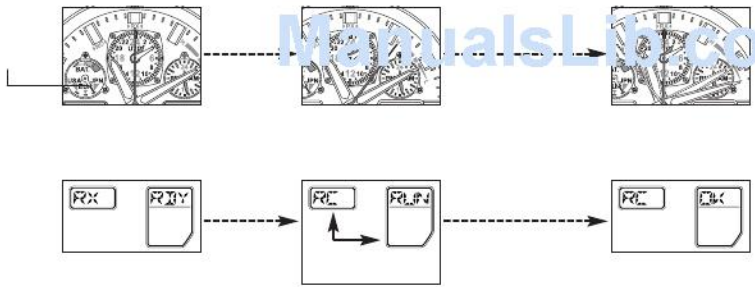
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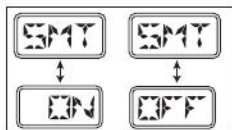


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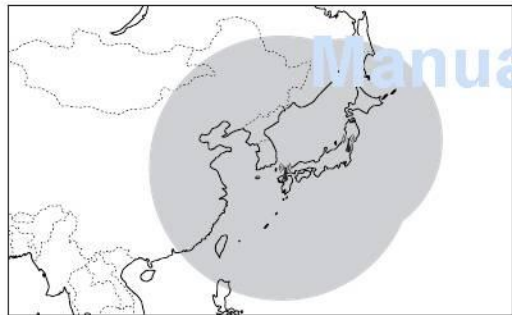


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11. Changing Mode

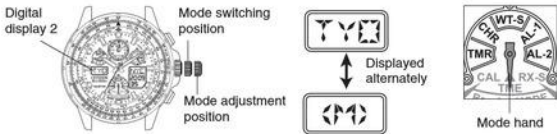
This watch has eight modes: time (TME), calendar (CAL), timer (TMR), chronograph (CHR), world time set (WT-S), alarm 1 (AL-1), alarm 2 (AL-2) and receive set (RX-S).

1. Pull the crown out to position 1 (mode switching position).

- The home city and (M) are displayed alternately on digital display 2 to show that the mode switching status has been entered.

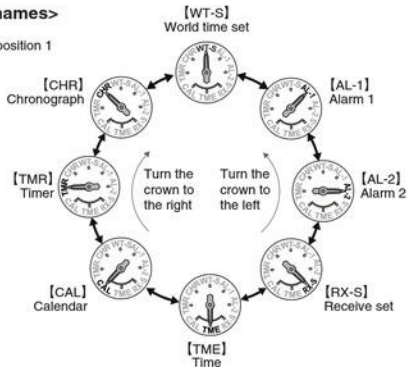
2. Turn the crown to the right or left to align the mode hand with the desired mode.

3. Return the crown to the normal position.

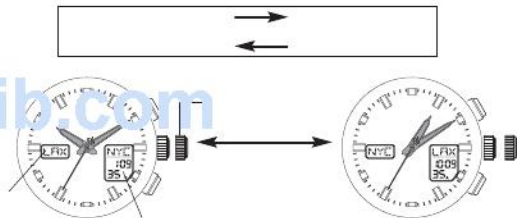


<Mode names>

* Crown in position 1



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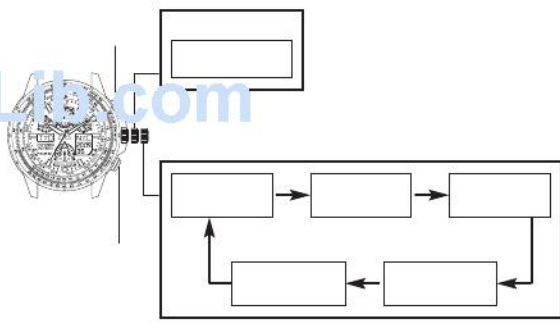


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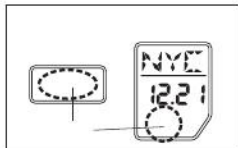
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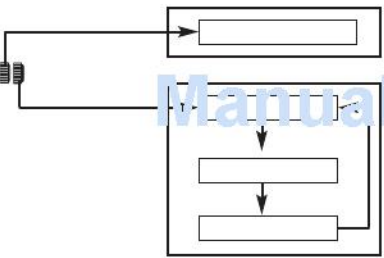
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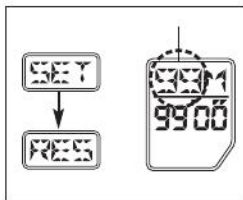
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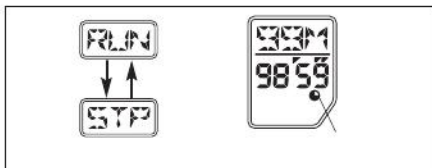


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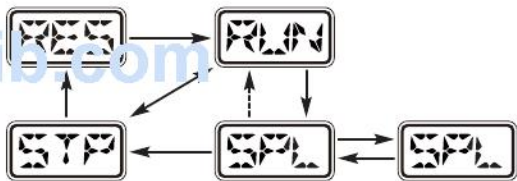
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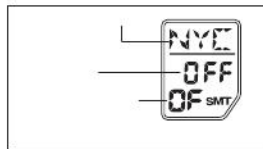
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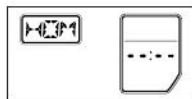
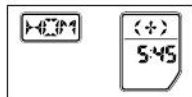
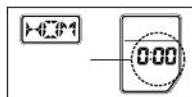
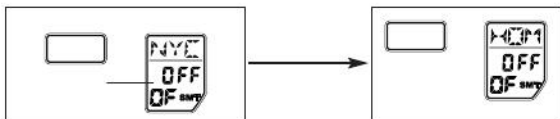
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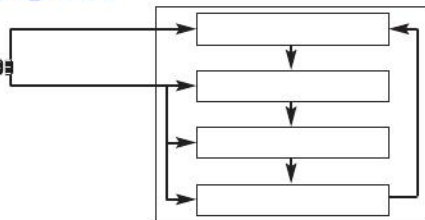
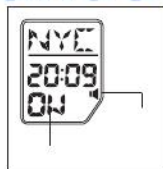
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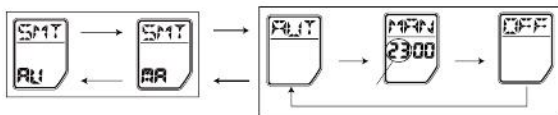


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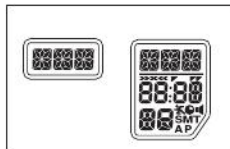


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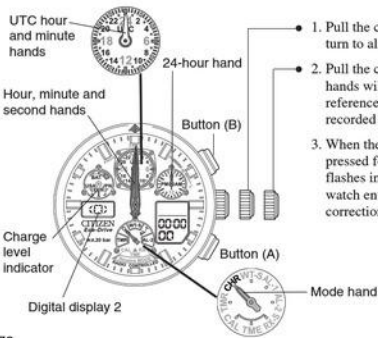
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23. Adjusting the Reference Position



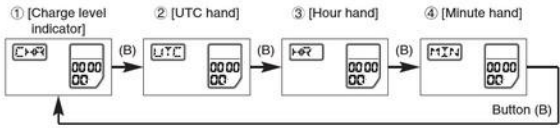
1. Pull the crown out to position 1 and turn to align the mode hand with CHR.
2. Pull the crown out to position 2. The hands will move rapidly and stop at the reference position (12:00 position) recorded in the watch memory.
3. When the upper right button (B) is pressed for more than 2 seconds, CHA flashes in digital display 2 and the watch enters the reference position correction status.



Press the upper right button (B).

4. ① Adjusting the charge level indicator
 (1) Display CHA in digital display 2.
 (2) Turn the crown to align the charge level indicator of the watch face with the center of EUR.
 * Turn the crown continuously to move quickly. To stop, turn the crown to the left or right.
 * If no correction is required, proceed to the next step.

5. Each time the upper right button (B) is pressed in the reference position correction status, digital display 2 changes in the sequence CHA → UTC → HR → MIN, and the corresponding hand moves to show the location to be corrected.



6. ② Adjusting the UTC hands (hour hand and minute hand)



- (1) Press the upper right button (B) to display UTC in the digital display.
- (2) Turn the crown to align the UTC hour hand and minute hand with 12:00.



UTC hour and minute hands

- Press the lower right button (A) to move the minute hand by -3 minutes to make the UTC hand easier to see.
Press the lower right button (A) again to return the minute hand to its original position.

Press the upper right button (B).

7. ③ Adjusting the hour hand



- (1) Press the upper right button (B) to display HR in digital display 2.
 - (2) Turn the crown to align the hour hand with 12:00.
- Press the lower right button (A) to move the minute hand by -3 minutes to make the hour hand easier to see.
Press the lower right button (A) again to return the minute hand to its original position.

Press the upper right button (B).

- * The 24-hour hand moves in tandem with the hour hand, so make sure that the a.m. and p.m. setting is correct.

8. ④ Adjusting the minute hand

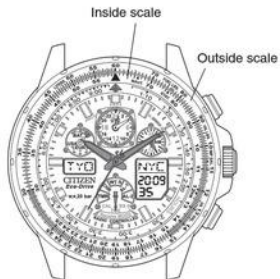


- (1) Press the upper right button (B) to display MIN in digital display 2.
- (2) Turn the crown to align the minute hand with 12:00.

9. When the upper right button (B) is pressed for more than 2 seconds after adjusting all the hands to their correct reference positions, (0) is displayed in digital display 2 to show that the reference position adjustment is completed.
10. Put the crown in position 1, set to the mode that you usually use, and then return the crown to the normal position.

Using the Slide Rule Bezel

Flying distance and other navigation calculations as well as general calculations can be performed using the slide rule bezel located around the outside of the dial. This slide rule bezel is not able to display decimal places for calculation results, and should only be used as a general reference as an alternative to more accurate calculations. Turning the crown at the 8:00 position allows the slide rule bezel around the dial (Outside Scale) to be rotated.

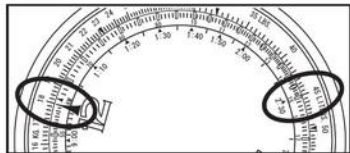


A. Navigation Calculator

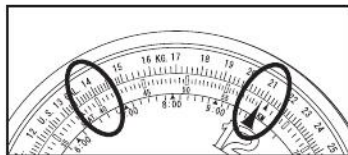
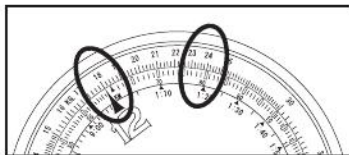
1. Calculation of time required

Problem: How long does it take an airplane flying at 180 knots to fly a distance of 450 nautical miles?

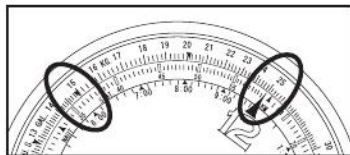
Solution: Set the 18 mark on the outside scale to the SPEED INDEX (▲). At this time, the point on the inside scale that is aligned with 450 on the outside scale indicates (2:30), and the answer is 2 hours and 30 minutes.



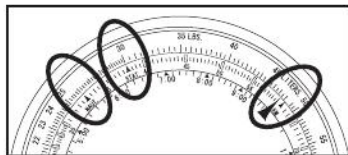
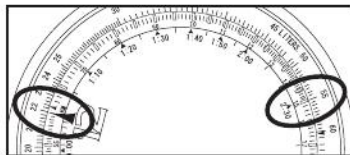
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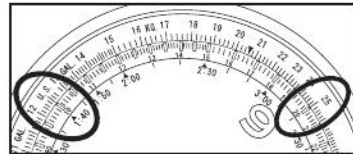
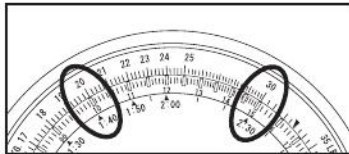


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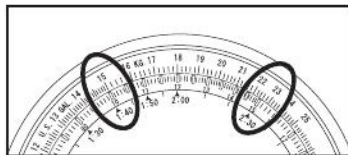
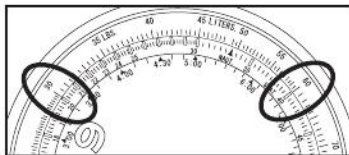




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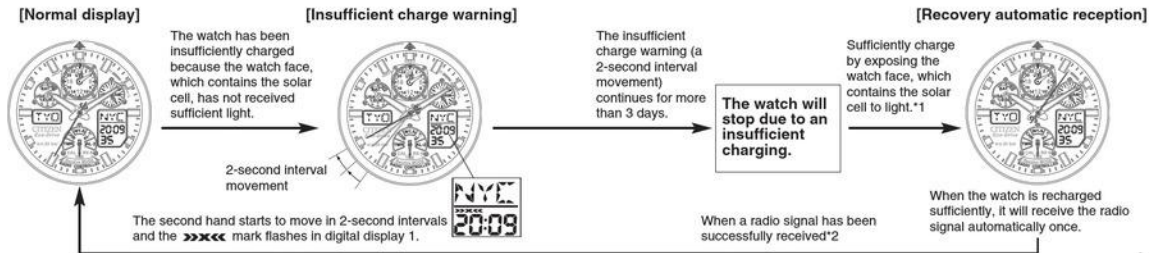


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25. Characteristics of the Solar Powered Watch

When the watch is insufficiently charged, the indication will be changed as follows:



- * 1. When the watch stopped due to insufficient charging
 - It takes at least 30 minutes to recharge sufficiently to perform recovery automatic reception, even if the watch is being exposed to light.
 - After recovery, refer to "Guide to Charging Time" (p. 96) and sufficiently charge the watch.
- * 2. If the watch failed to perform recovery automatic reception
 - The time is incorrect even if the second hand moves at 1-second intervals, so after fully charging the watch, set the time manually or perform on demand reception.

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