

MIYOTA

STOPWATCH!

MOVEMENT SPECIFICATIONS

CAL. : JS50

12-1/2 LIGNE, 3 EYES WITH STOPWATCH FUNCTION

ANALOGUE QUARTZ, NO JEWEL

BY CITIZEN WATCH CO., LTD. JAPAN

MANUFACTURED IN JAPAN

1.BASIC SPECIFICATIONS

(1) Cal. No.

*TO CONFIRM WITH MOV'T DRAWING ATTACHED

CALIBRE	JS50
Ligne	12-1/2
Overall diameter	Φ28.2×26.0(3H-9H)
Case fitting diameter	Φ27.6 × 26.0(3H-9H)
Date	X
Total height	4.18mm
Battery life	Approx. 2 years*
Battery	SILVER OXIDE SR621SW or equivalent

(* 30 minutes chronograph operation per day)

(2) Time standard

Type of quartz : Tuning fork type quartz crystal

Frequency : 32,768Hz

Accuracy : **+/-20 s/month** worn under normal circumstances

(3) Balanceable weight of hand

Minute hand : Max. 0.4 μN.m

Second hand : Max. 0.09 μN.m

Other small hands : Max. 0.02 μN.m

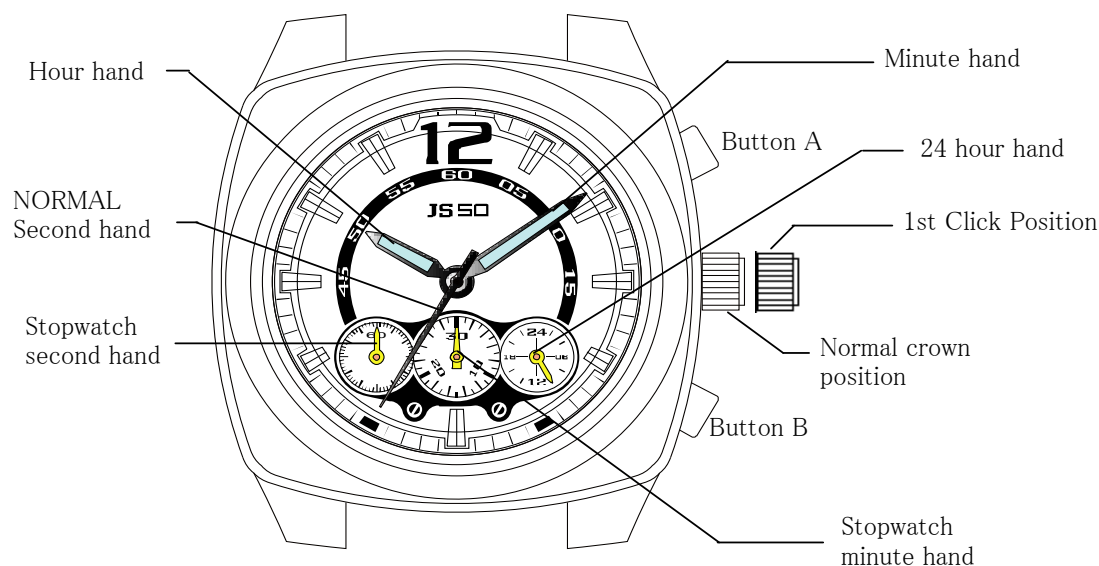
(4) Function

Stopwatch 1 sec. basis (Up to 29 min. 59 sec.)

Powercell Saving Reset Mechanism (PSRM)

Over-loading Compensation Device (OLCD)

Digital Frequency Control (DFC) for time adjustment



Button A : START / STOP

Button B : RESET

1st Click Position : TIME ADJUSTMENT / REFERENCE POSITION ADJUSTMENT

2.SEPARATED PARTS

Setting stem x1

Code

065-505

Length from movement center to far end
of setting stem

20.03mm

Thread.....

Φ0.9mm x 11.68mm

3.OTHERS

* Measurement of time rate

The unit (gate) time of measurement must be set at "10 sec." or integer fold value of 10 sec. owing to the DFC system, and the measurement must be performed in the form of complete watch.

* Marking on movement

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JS50
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* Typical clearance

Mov't - Caseback

minimum 150 microns

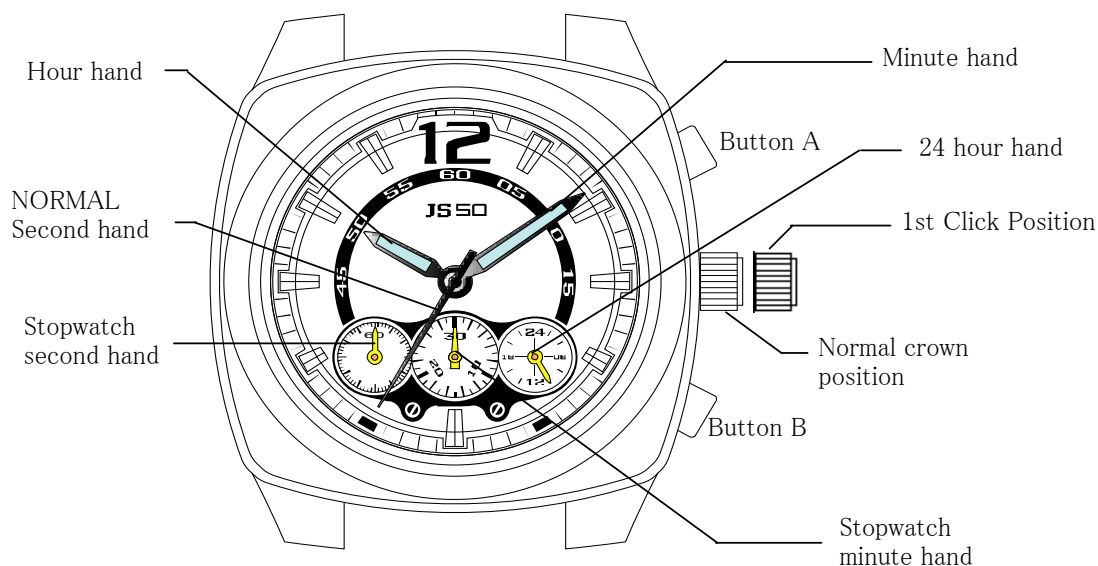
Top of hands - Glass

300 - 400 microns *

* subject to the glass, case structure, and the length of hand

4. INSTRUCTIONS MANUAL

A) DISPLAYS AND BUTTONS



B) SETTING THE TIME

1. Pull the crown out to the 1st position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position in synchronization with a time signal, second hand begins to run.

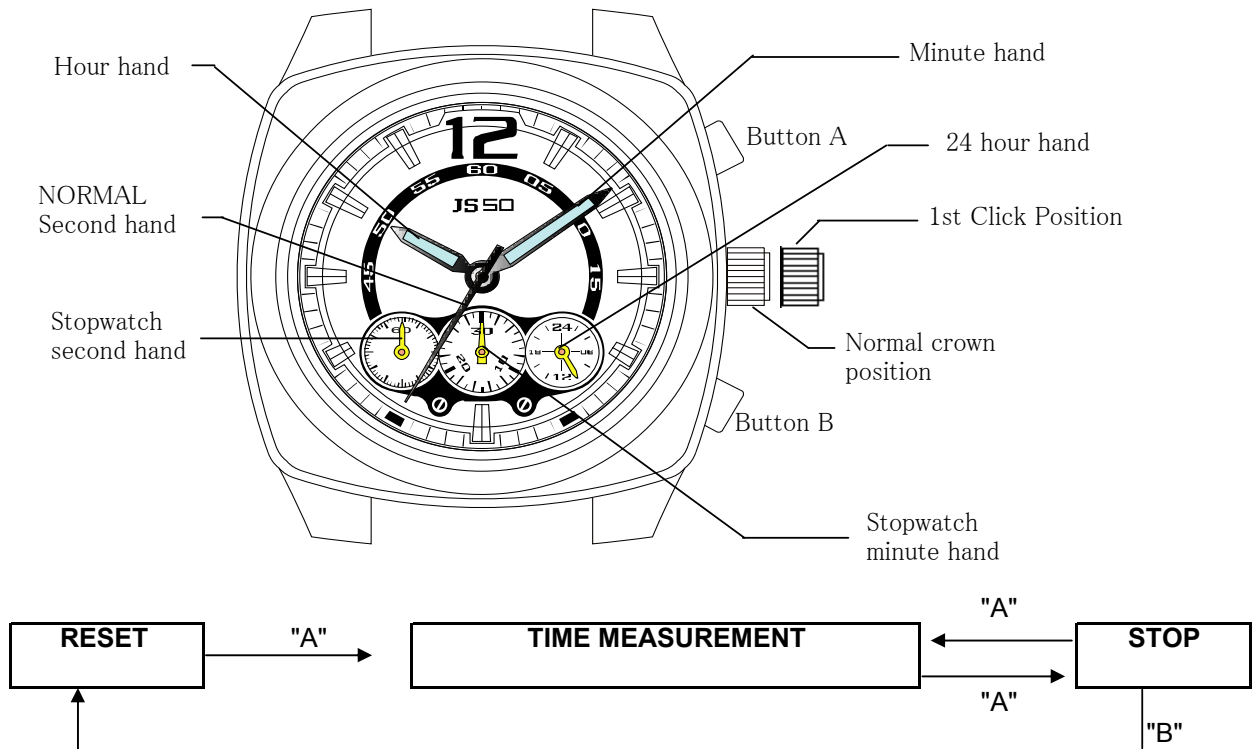
C) USING THE STOPWATCH

This stopwatch is able to measure and display time in 1 second united up to maximum of 30 minutes. Stopwatch will stop automatically after running continuously for 30 minutes.

Measuring time with the stopwatch

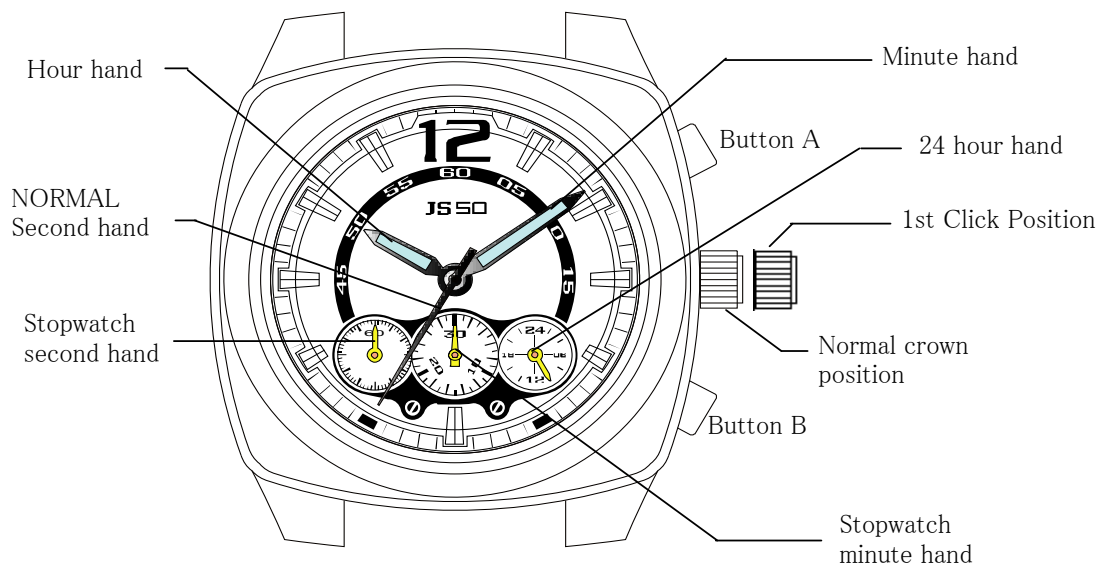
1. Press button "A" to start the stopwatch.
2. The stopwatch can be started and stopped each time button "A" is pressed.
3. Pressing button "B" resets the stopwatch and stopwatch minute and second hands return to their ZERO positions.

*** Button A / B does not function during resetting the stopwatch.**



D) STOPWATCH RESET (INCL. AFTER REPLACING BATTERY)

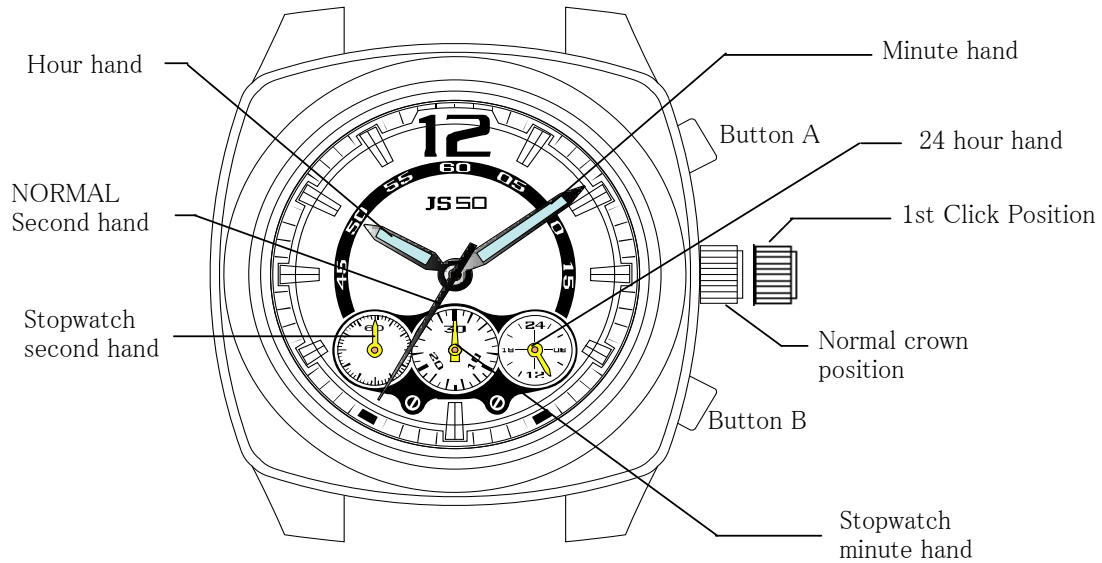
This procedure should be performed when the stopwatch second hand does not return to the ZERO second position after the stopwatch has been reset, and including after the battery has been replaced.



1. Pull the crown out to the 1st click position.
2. Press button "A" to set the stop watch second hand to the ZERO position.
 - *The stopwatch minute hand is synchronized with stopwatch second hand.
 - *The stop watch second hand can be advanced rapidly by continuously pressing button "A".
3. Once the hands have been zeroed, reset the time and return the crown to its normal position.

E) FITTING METHOD OF HANDS

Place the module on case back shown in the figure and position the reference hand, then fit the hands according to the following procedures.



1. Pull out the crown to the time setting position. (1st Click Position)

2. Fit all the hands to the 12-o'clock position.

When fitting the hands, remove the case back and place the movement on work stand (mount).

These specifications might be changed without prior notice.