

## Cal. 8217

AUTOMATIC & MANUAL WINDING MOVEMENT WITH DATE



### Basic specification

Ligne	11-1/2"
Overall diameter	Φ26.0mm
Case fitting diameter	Φ25.6mm
Total height	5.67mm
Date	○
24 Hour Hand	○
Vibration frequency	21600 vibrations per hour
Jewels	21 Jewels

### Function

Automatic & manual winding  
 Display by means of hands: hour, minute, second, 24H.  
 Date calendar  
 Shock-absorber for balance staff

### Technical characteristics

#### Hands fitting force

Second hand	Max. 30N
Minute hand	Max. 50N
Hour hand	Max. 50N

**Lift angle** 49°

**Casing** Non-corresponding to "Divers' watches" defined by ISO6425

### Time performance

Accuracy	-20~+40 seconds/day
Posture difference	Under 50 seconds/ day
Running time	More than 40 hours

※Accuracy of the mechanical watch is different from the daily rate of the quartz watch and the accuracy will change maximum of several ten seconds during rewinding the spring, then the accuracy of the half winding condition will be different from that of full winding condition.

### <Time performance measurement condition>

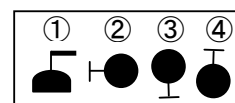
#### Accuracy

Measure within lapse of 10 ~ 60 minutes from full winding.

#### Posture difference

Measure accuracy in 4 different postures shown on the right picture within lapse of 10 ~ 60 minutes from full winding.

※Direction of 4 postures ①Date Dial side Up ②6 o'clock side up ③9 o'clock side up ④3 o'clock side up



#### Running time

Measure the running time from full winding.

※The mainspring becomes fully wound by rotating the ratchet wheel 7.5 times (turning the crown 40 times).

## Automatic winding structure

**Winding direction** : Counter-clockwise (seeing from case back side)



## Operating method

### (1) Winding the mainspring

Automatic winding watch can also be hand wound by turning the crown in "A" position.  
Wind 15 ~ 20 times clockwise until second hand starts to move naturally.

### (2) Setting the Time

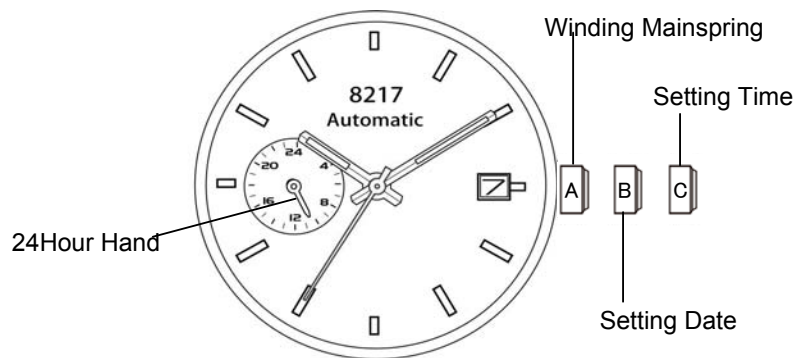
1. Pull the crown to "C" position.
2. Turn the crown to set the hour and minute hands.

### (3) Setting the Date

1. Pull the crown to "B" position.
2. Turn the crown counter-clockwise to set the date.

\*If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.

3. After the date has been set, push the crown back to the normal position.



## Separated parts

Winding stem	065-212 x 1
Screw for dial fixing	929-610 x 2
Movement holder	500-710 x 1

These specifications might be changed without prior notice.

**CITIZEN WATCH CO., LTD.**