

**GS**  
Grand Seiko





SEIKO WATCH CORPORATION  
[www.grand-seiko.com](http://www.grand-seiko.com)

GS  
Grand Seiko

Mechanical  
Operating Instructions  
9SA5, 9SC5

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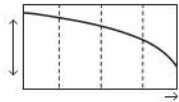
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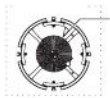




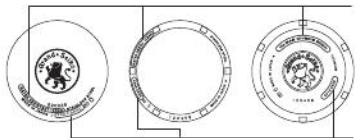
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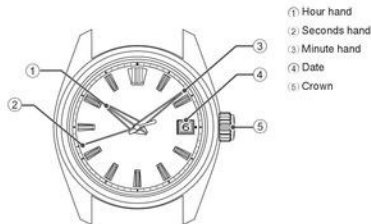


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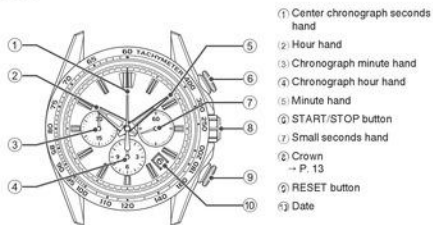
## ■ NAMES OF THE PARTS

### 9SA5



How to set the time and date → P. 14

### 9SC5

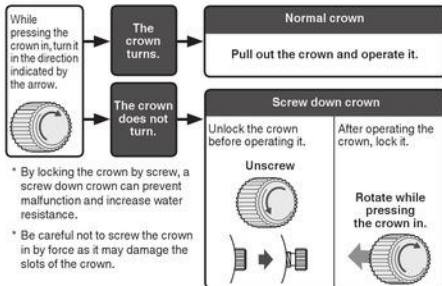


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Chronograph (For Cal. 9SC5) → P. 16

## ■ HOW TO USE

### Crown

There are two types of crowns, the regular one and one that can be locked. Please confirm the crown of the watch that you are using.



\* By locking the crown by screw, a screw down crown can prevent malfunction and increase water resistance.

\* Be careful not to screw the crown in by force as it may damage the slots of the crown.

\* Turn the crown from time to time. → P. 28

### Screw down crown

The screw down crown features a mechanism that can securely lock the crown when it is not being operated in order to prevent any operational errors and to improve its water resistant performance.

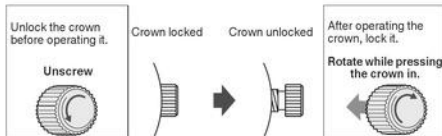
- It is necessary to unlock the screw down crown before operating it.
- Once you have finished operating the crown, make sure to relock it.

#### [To unlock the crown]

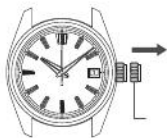
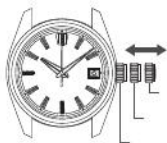
Turn the crown counterclockwise (6 o'clock direction) to unscrew it. Now the crown can be operated.

#### [To lock the crown]

Turn the crown clockwise (12 o'clock direction) while gently pressing it toward the watch body until it stops.



\* When locking the crown, turn it slowly with care, ensuring that the screw is properly engaged. Be careful not to push it in forcefully, as doing so may damage the screw hole in the case.



## Chronograph (For Cal. 9SC5)

A chronograph is a watch that has a stopwatch function in addition to a time display function. This watch features a stopwatch function which can measure time up to 12 hours.

### Before using the stopwatch function

- ① Make sure that the mainspring is sufficiently wound.  
When using the stopwatch, ensure that the watch is working.
- ② Make sure that the center chronograph seconds hand is pointing at the 0 position.  
If it is not pointing at the 0 position, press the RESET button.  
\* Do not pull out the crown while the stopwatch function is operating, as doing so will stop the measurement.

### Names of the chronograph parts and their function



\* The orientation and design of the display may vary depending on the model.

### How to use the chronograph (stopwatch) function

- ① Make sure that the mainspring is sufficiently wound and the watch is working.
- ② Start measuring time.  
Upon pressing of the START/STOP button, the chronograph hands start moving and the stopwatch starts measuring time.



- ③ Stop measuring time.  
At the moment you want to finish the measurement, press the START/STOP button again to stop the chronograph hands.

[Ex.] 6 hours 20 minutes 10 seconds and 8

\* The chronograph minute hand on the 30-minute dial completes two full rotations in an hour.  
To read the 30-minute dial, see the display of the 12-hour dial as a rough indication.



- ④ Reset the chronograph hands.  
After stopping the chronograph hands, press the RESET button to return all the chronograph hands to the 0 position.



## Accumulated elapsed time measurement

- ① Make sure that the mainspring is sufficiently wound and the watch is working.
- ② Start measuring time.  
Upon pressing of the START/STOP button, the chronograph hands start moving and the stopwatch starts measuring time.
- ③ Stop measuring time.  
At the moment you want to stop the first measurement, press the START/STOP button again to stop the chronograph hands. The measured time will be displayed.
- ④ Restart measuring time.  
Upon pressing of the START/STOP button again, the chronograph hands restart moving from the position they had previously stopped.
- ⑤ Stop measuring time.  
At the moment you want to stop the second measurement, press the START/STOP button again to stop the chronograph hands. The measured time displayed at this time will be the total of the first and the second measurements (accumulated elapsed time).
- ⑥ Repeat measuring time cumulatively.  
Step ⑤ and ④ above can be repeated as required. As you repeat pressing of the START/STOP button, the measurement will stop and restart and each elapsed time measurement will be accumulated.
- ⑦ Reset the chronograph hands.  
After stopping the chronograph hands, press the RESET button to return all the chronograph hands to the 0 position.



## How to use the tachymeter

The tachymeter can be used to measure average speed or productivity rate per unit time.

### How to measure average speed of your vehicle

[Ex.] Measure the time taken by your vehicle to go one kilometer

- ① When the car passes the start line, press the START/STOP button to start the stopwatch.
- ② When the car crosses the 1-kilometer mark, press the START/STOP button to stop the stopwatch. Read the number on the tachymeter scale to which the center stopwatch seconds hand is pointing.

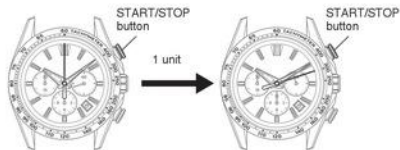


The measured result shows that the average speed of the vehicle is 80 km/h.

### How to compute productivity rate per hour

[Ex.] Measure the time required to produce one unit

- ① At the start of production, press the START/STOP button to start the stopwatch.
- ② When the production is completed, press the START/STOP button to stop the stopwatch. Read the number on the tachymeter scale to which the center stopwatch seconds hand is pointing.



The measured result shows that the average productivity rate is 300 units/h.











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