

# Cal. 7T92

<b>INSTRUCTIONS</b>	<b>(P. 3)</b>
<b>BEDIENUNGSANLEITUNG</b>	<b>(S. 17)</b>
<b>INSTRUCTIONS</b>	<b>(P. 31)</b>
<b>ISTRUZIONI</b>	<b>(P. 45)</b>
<b>INSTRUCCIONES</b>	<b>(P. 60)</b>
<b>INSTRUÇÕES</b>	<b>(P. 74)</b>
<b>用法說明</b>	<b>(88 頁)</b>

You are now the proud owner of a SEIKO Analogue Quartz Watch Cal. 7T92. For best results, please read the instructions in this booklet carefully before using your SEIKO Analogue Quartz Watch. Please keep this manual handy for ready reference.

Sie sind jetzt Besitzer einer SEIKO Analog-Quarzuhr Kal. 7T92. Bitte lesen Sie diese Bedienungsanleitung vor Verwendung der Uhr sorgfältig durch und heben Sie sie gut auf.

Vous voici l'heureux propriétaire d'une montre quartz analogique SEIKO Cal. 7T92. Pour obtenir d'excellentes performances de cet article SEIKO, veuillez lire attentivement cette brochure que vous conserverez pour toute référence ultérieure.

Siete ora in possesso di un orologio SEIKO Analogico al Quarzo Cal. 7T92. Per ottenere i migliori possibili risultati dal Vostro orologio, leggere attentamente le istruzioni di questo manuale prima di utilizzare il Vostro orologio SEIKO analogico al quarzo. Conservare poi il manuale stesso per ogni qualsiasi eventuale futuro riferimento.

Enhorabuena por su adquisición de un reloj SEIKO analógico de cuarzo Cal. 7T92. Para óptimo resultado, lea detenidamente las instrucciones de este folleto antes de usar el reloj. Guarde este manual para consulta posterior.

Você pode sentir-se orgulhoso de possuir um Relógio SEIKO Quartz Análogo Cal. 7T92. Para obter os melhores resultados, leia atentamente as instruções contidas neste opúsculo antes de usar o seu Relógio SEIKO Quartz Análogo. Queira conservar este manual para referências futuras.

**閣下現在已經擁有一隻，機件編號為7T92的精工牌指針式石英錶。在使用您的精工牌指針式石英錶以前，務請注意閱讀這本小冊子中的各項說明，並請將手冊妥加保管，以便隨時參考。**

# CONTENTS

	Page
SETTING THE TIME AND ADJUSTING THE STOPWATCH HAND POSITION .....	5
SETTING THE DATE .....	8
STOPWATCH .....	9
TACHYMETER .....	12
BATTERY CHANGE .....	14
SPECIFICATIONS .....	16

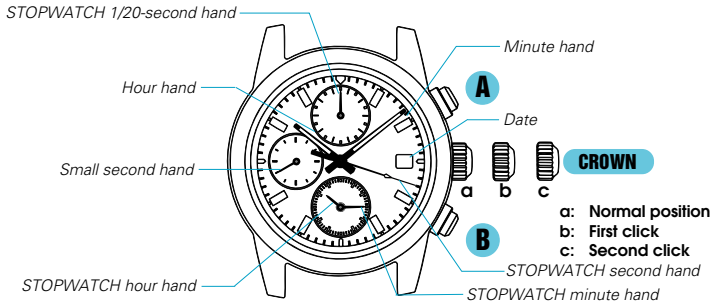
☆ *For the care of your watch, see "TO PRESERVE THE QUALITY OF YOUR WATCH" in the attached Worldwide Guarantee and Instruction Booklet.*

# SEIKO CAL. 7T92

## ■ TIME/CALENDAR

## ■ STOPWATCH

Measures up to 12 hours in 1/20 second increments.  
Split time measurement is possible.



# SETTING THE TIME AND ADJUSTING THE STOPWATCH HAND POSITION

- This watch is so designed that the following are all made **with the crown at the second click position**:

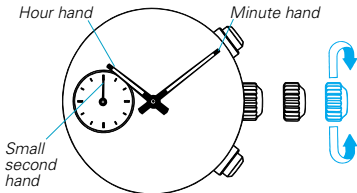
- 1) time setting
- 2) stopwatch hand position adjustment

Once the crown is pulled out to the second click, be sure to check and adjust the time. If needed, the position of the stopwatch hands should also be adjusted then.

## CROWN

Pull out to second click when the second hand is at the 12 o'clock position.

## 1. TIME SETTING



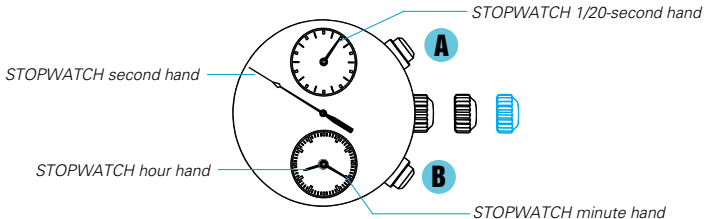
## CROWN

Turn to set the hour and minute hands.

1. When the stopwatch is or has been measuring or is stopped, if the crown is pulled out to the second click, it will automatically reset the STOPWATCH hands to "0".
2. It is recommended that the hands be set to the time a few minutes ahead of the current time, taking into consideration the time required to adjust the STOPWATCH hand position if necessary.
3. When setting the hour hand, be sure to check that AM/PM is correctly set. The watch is so designed that the date changes once in 24 hours.
4. When setting the minute hand, first advance it 4 to 5 minutes ahead of the desired time and then turn it back to the exact minute.

## 2. STOPWATCH HAND POSITION ADJUSTMENT

- ☆ If the STOPWATCH hands are not in the "0" position, follow the procedure below to set them to the "0" position.



**A**

Press for 2 seconds to select STOPWATCH hand(s) to be adjusted.

- Selection of the hand(s) can be made in the following order by pressing button **A** for 2 seconds.

STOPWATCH  
1/20-second hand

STOPWATCH  
second hand

STOPWATCH  
hour and minute  
hands

\* The selected hand(s) turn(s) a full circle.

**B**

Press repeatedly to set the selected STOPWATCH hand(s) to the "0" position.

\* The hand(s) move(s) quickly if button B is kept pressed.

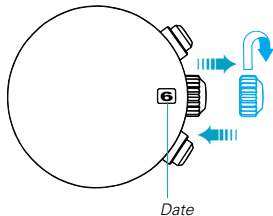
\* After all the adjustments are completed, check that the hour and minute hands for time display indicate the current time.

**CROWN**

Push back into normal position in accordance with a time signal.

## SETTING THE DATE

- Before setting the date, be sure to set the main time.



### CROWN

Pull out to first click.

▼  
Turn clockwise until the desired date appears.

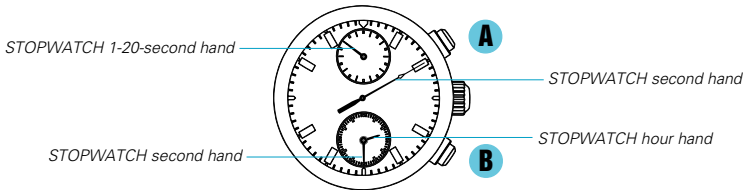
▼  
Push back in to normal position.

1. It is necessary to adjust the date at the end of February and 30-day months.
2. Do not set the date between 9:00 p.m. and 1:00 a.m. Otherwise, the date may not change properly.



## STOPWATCH

- The stopwatch can measure up to 12 hours in 1/20-second increments.
- When the measurement reaches 12 hours, the stopwatch automatically stops counting.



( Ex.: 2 hours, 30 minutes and 10.85 seconds )

### Movement of STOPWATCH 1/20-second hand

- After the stopwatch is started, STOPWATCH 1/20-second hand moves for about 10 minutes and automatically stops at the "0" position.
- When the measurement is stopped or split time is measured, it moves to indicate the elapsed 1/20 seconds.

- After the stopwatch is restarted or split time is released, STOPWATCH 1/20-second hand moves for about 10 minutes and stops automatically.
- In the same manner, if the stopwatch is stopped and restarted repeatedly or split time is measured and released repeatedly, STOPWATCH 1/20-second hand moves for about 10 minutes and stops automatically.

☆ Before using the stopwatch, be sure to check that the crown is set at the normal position and that the STOPWATCH hands are reset to the “0” position.

*\* If the STOPWATCH hands do not return to the “0” position when the stopwatch is reset to “0”, follow the procedure in “SETTING THE TIME AND ADJUSTING THE STOPWATCH HAND POSITION”.*

#### Standard measurement



#### Accumulated elapsed time measurement



*\* Restart and stop of the stopwatch can be repeated by pressing button A.*

**Split time measurement**

*\* Measurement and release of split time can be repeated by pressing button B.*

**Measurement of two competitors**

# TACHYMETER

(for models with tachymeter scale on the dial)

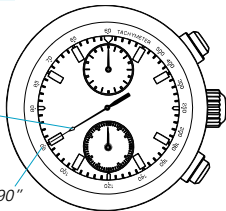
## To measure the hourly average speed of a vehicle

- 1 Use the stopwatch to determine how many seconds it takes to go 1 km or 1 mile.
- 2 Tachymeter scale indicated by STOPWATCH second hand gives the average speed per hour.

**Ex. 1**

STOPWATCH  
second hand:  
40 seconds

Tachymeter scale: "90"



"90" (tachymeter scale figure) x 1 (km or mile)  
= 90 km/h or mph

- Tachymeter scale can be used only when the time required is less than 60 seconds.

**Ex. 2:** If the measuring distance is extended to 2 km or miles or shortened to 0.5 km or miles and STOPWATCH second hand indicates "90" on tachymeter scale:

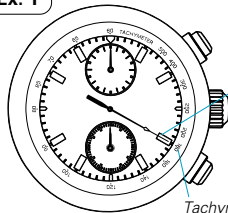
"90" (tachymeter scale figure) x 2 (km or mile) = 180 km/h or mph

"90" (tachymeter scale figure) x 0.5 (km or mile) = 45 km/h or mph

## To measure the hourly rate of operation

- 1 Use the stopwatch to measure the time required to complete 1 job.
- 2 Tachymeter scale indicated by STOPWATCH second hand gives the average number of jobs accomplished per hour.

Ex. 1



STOPWATCH  
second hand:  
20 seconds

Tachymeter scale: "180"

$$\begin{aligned} & \text{"180" (tachymeter scale figure) } \times \text{ 1 job} \\ & = \text{180 jobs/hour} \end{aligned}$$

Ex. 2: If 15 jobs are completed in 20 seconds:

$$\text{"180" (tachymeter scale figure) } \times \text{15 jobs} = \text{2700 jobs/hour}$$

## BATTERY CHANGE



The miniature battery which powers your watch should last approximately **3 years**. However, because the battery is inserted at the factory to check the function and performance of the watch, its actual life once in your possession may be less than the specified period. When the battery expires, be sure to replace it as soon as possible to prevent any malfunction. For battery replacement, we recommend that you contact an AUTHORIZED SEIKO DEALER and request **SEIKO SR927SW** battery.

- \* If the stopwatch is used for more than 2 hours a day, the battery life may be less than the specified period.*
- \* After the battery is replaced with a new one, set the time/calendar and adjust the stopwatch hand position.*

### ● Battery life indicator

When the battery nears its end, the small second hand moves at two-second intervals instead of normal one-second intervals. In that case, have the battery replaced with a new one as soon as possible.

- \* The watch remains accurate while the small second hand is moving at two-second intervals.*

**WARNING**

- Do not remove the battery from the watch.
- If it is necessary to take out the battery, keep it out of the reach of children. If a child swallows it, consult a doctor immediately.

**CAUTION**

- Never short-circuit, heat or otherwise tamper with the battery, and never expose it to fire. The battery may burst, become very hot or catch fire.
- The battery is not rechargeable. Never attempt to recharge it, as this may cause battery leakage or damage to the battery.

## SPECIFICATIONS

- |   |                                       |  |
|---|---------------------------------------|--|
| 1 | Frequency of crystal oscillator ..... | 32,768 Hz (Hz = Hertz ... Cycles per second)                                     |
| 2 | Loss/gain (monthly rate) .....        | ±15 seconds at normal temperature range (5° C ~ 35° C)<br>(41° F ~ 95° F)        |
| 3 | Operational temperature range .....   | -10° C ~ +60° C (14° F ~ 140° F)   |
| 4 | Driving system .....                  | Step motor, 4 pieces   |
| 5 | Display system                        |  |
|   | Time/calendar .....                   | Hour, minute and small second hands<br>Date is displayed in numerals.            |
|   | Stopwatch .....                       | Measures up to 12 hours.<br>Stopwatch hour, minute, second and 1/20-second hands |
| 6 | Battery .....                         | SEIKO SR927SW, 1 piece   |
| 7 | IC (Integrated Circuit) .....         | C-MOS-IC, 1 piece  |

\* The specifications are subject to change without prior notice for product improvement.