PULSAR

INSTRUCTION MANUAL FOR WATCH CALIBRE W671

PULSAR

CAL. W626, W671
DIGITAL QUARTZ

- Time/calendar
- Stopwatch
- Countdown timer
  with preset and adjustable timer functions
- Daily alarm
- Auto illumination function (Cal. W671)
- Illuminating light

MODE CHANGE

10:08 59

TIME/
CALENDAR
mode

CHRO 00'00"00

STOPWATCH
mode

A

With each press,
the mode changes in order.

12:00 on

ALARM
mode

03'00"TR

TIMER
mode

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TIME/CALENDAR MODE

Month

Date

Day

TIME display   **CALENDAR display**
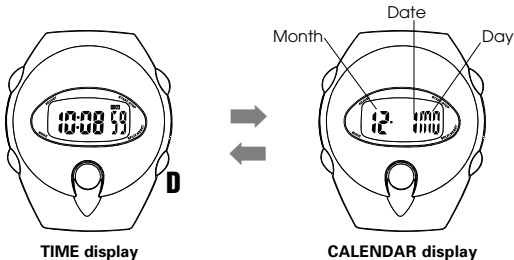
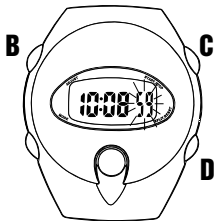## SHOWING THE CALENDAR DISPLAY

D Press to show CALENDAR display.

* Month, date and day are displayed for 5 seconds, and then, the watch automatically returns to the TIME display.

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TIME/CALENDAR SETTING

B Press for 2 to 3 seconds.

▼

C Select the digits to be adjusted.

▼

D Set the flashing digits.

▼

B Return to TIME/CALENDAR mode.

Selection of the digits

Seconds ➤ Minutes ➤ Hour ➤ Date

⩗   ⩔

12-/24-hour indication ◁ Year ◁ Month

Cal. W626

STOPWATCH MODE

● The stopwatch measures up to 100 hours in 1/100 second increments for the first 1 hour and in 1 second increments thereafter.
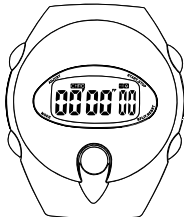
C Start / Stop / Restart

D Reset / Split / Split release

Split time measurement

C ▶ **D** ▶ **D** - - ▶ **C** ▶ **D**

START   SPLIT   SPLIT RELEASE   STOP   RESET

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

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Measurement of two competitors

C ▶ D ▶ C ▶ D ▶ D

START | FINISH TIME OF 1ST COMPETITOR | 2ND COMPETITOR FINISHES | FINISH TIME OF 2ND COMPETITOR | RESET

TIMER MODE

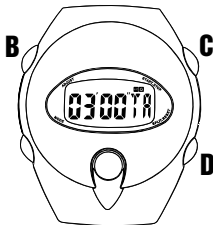● Two types of timer are available: preset timer and adjustable timer.
● The adjustable timer can be set up to 60 minutes in minute increments.

PRESET TIMER SETTING

D Select the preset time.

Selection of the preset time

3 min. ➢ 5 min. ➢ 10 min. ⬂ 15 min.

60 min. ⬃ 45 min. ⬃ 30 min. ⬃

ADJUSTABLE TIMER SETTING

B Press for 2 to 3 seconds.
▼
D Set the flashing digits.
▼
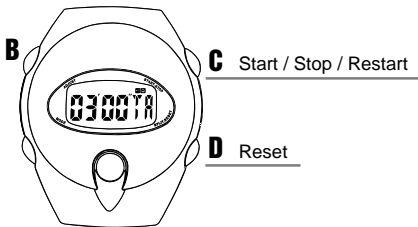
27

B Return to TIMER mode.

TIMER OPERATION

B

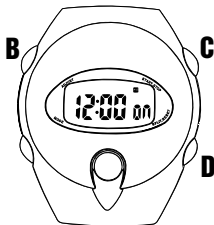**C** Start / Stop / Restart

D Reset

When the set time is up, a warning sound beeps for 5 seconds.
To stop it manually, press any one of the buttons.

ALARM MODE

ALARM SETTING

B Press for 2 to 3 seconds.

▼

C Select the digits to be adjusted (hour/minutes).

▼

D Set the flashing digits.

▼

B Return to ALARM mode.

   * The alarm is automatically engaged.

Alarm engagement/disengagement 🔔

Alarm engaged

C With each press, the alarm is engaged and disengaged alternately.

6:00 on

— Alarm mark

— "on" mark

Turning on/off of hourly time signal and button operation confirmation sound 🔔

Hourly time signal mark

C With each press in TIME/CALENDAR mode, the hourly time signal and button operation confirmation sound are turned on and off alternately.

10:08 59

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Cal. W671
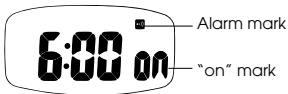
MODE CHANGE

TIME/ CALENDAR mode
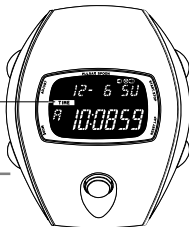
```
12- 6 SU
TIME
A 10:08 59
```

STOPWATCH mode

```
A 10:08 59
CHRONO
0:00:00 00
```

Mode mark

```
12- 6 SU
TIME
A 10:08 59
```

ALARM mode

```
A 10:08 59
ALARM
A: 12:00 pm
```

TIMER mode

```
3 m
TIMER
0:03:00 9
```

A

With each press, the mode changes in order.

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TIME/CALENDAR MODE

Month   Date   Day

"A" (AM)/
"P" (PM)
mark

TIME/CALENDAR SETTING

B Press for 2 to 3 seconds.

▼

C Select the digits to be adjusted.

▼

D Set the flashing digits.

▼

B Return to TIME/CALENDAR mode.

Selection of the digits

AUTO   ⪢   Seconds   ⪢   Minutes   ⪢   Hour   ⪢   Date
ILLUMINATION   ⩒
on/off   ⪡   12-/24-hour indication   ⪡   Year   ⪡   Month

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AUTO ILLUMINATION FUNCTION

When AUTO ILLUMINATION FUNCTION is turned on:
● The display is illuminated with each press of a button to operate the watch.
● While the stopwatch or timer is counting, the display is illuminated every minute to signal the lapse of time: For the first 19 minutes in the stopwatch function and for the last 19 minutes in the timer function.

B	Press for 2 to 3 seconds.	
▼		
D	Turn on/off the AUTO ILLUMINATION FUNCTION.	*L-AUTO* TIME *on* — The function is on.
▼		
B	Return to TIME/CALENDAR mode.	*L-AUTO* TIME *oFF* — The function is off.

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STOPWATCH MODE

● The stopwatch measures up to 10 hours in 1/100 second increments.

B

C Start / Stop / Restart

Current time

Time measured

D Reset / Measure lap time
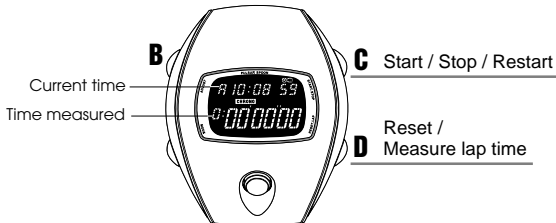
Lap time measurement

C ▶ **D** ▶ **D** - - ▶ **C** ▶ **D**
START LAP LAP STOP RESET

Lap No.

LAP-

Lap time

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MEMORY RECALL FUNCTION

● The stored data can be recalled either during or after the measurement.
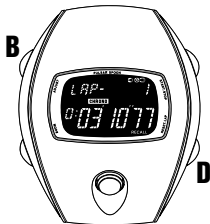
B Press to activate the memory recall function. * *

▼

**D** With each press, stored data are recalled from the oldest to the newest.

▼

B Return to STOPWATCH mode.

* *In memory recall after measurement, the oldest measurement in memory is displayed.
In memory recall during measurement, the newest measurement in memory is displayed.

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TIMER MODE

- Two types of timer are available: preset timer and adjustable timer.
- The adjustable timer can be set up to 9 hours and 59 minutes in minute increments.

Set time

B

C

D

Time measured

No. of times
the countdown is repeated
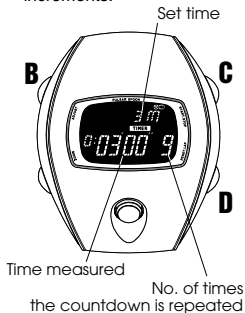
PRESET TIMER SETTING

D Select the preset time.

**Selection of the preset time/
adjustable timer**

Adjustable   ⟩ 3 min. ⟩ 5 min.
timer   ⩔
             ⟨ 15 min. ⟨ 10 min.

ADJUSTABLE TIMER SETTING

D Select the adjustable timer.
▼
B Press for 2 to 3 seconds.
▼

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▶ **C** Select the digits to be adjusted (hour/minutes).
▼
D Set the flashing digits.
▼
B Return to TIMER mode.

TIMER OPERATION

B

C Start / Stop / Restart

D Reset

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* When the set time is up, a warning sound beeps for 5 seconds.
  To stop it manually, press any one of the buttons.

ALARM MODE

Current time

"A" (AM)/ "P" (PM) mark
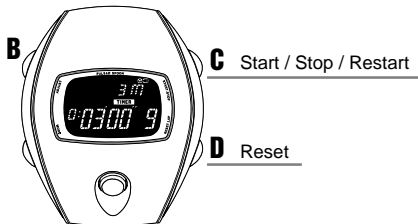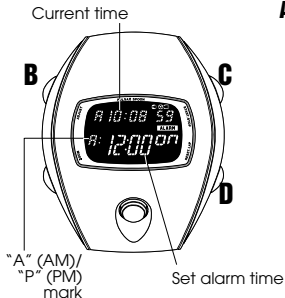
Set alarm time

ALARM SETTING

B Press for 2 to 3 seconds.

▼

▶ **C** Select the digits to be adjusted (hour/minutes).

▼

D Set the flashing digits.

▼

B Return to ALARM mode.

* The alarm is automatically engaged.

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Alarm engagement/disengagement (•))

C With each press, the alarm is engaged and disengaged alternately.

Alarm engaged

A 10:08 59 ← Alarm mark

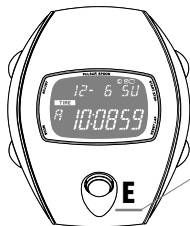A 6:00 ← "on" mark

Turning on/off of hourly time signal and button operation confirmation sound (🔔)

C With each press in TIME/CALENDAR mode, the hourly time signal and button operation confirmation sound are turned on and off alternately.

Hourly time signal mark

12- 6 59

A 10:08 59

ILLUMINATING LIGHT

Turn on the illuminating light.

The display panel is illuminated for 3 seconds.

E

NOTES ON USING THE WATCH

MODE CHANGE

● When the confirmation sound is turned on, a beep sounds with each press of button A to change over the mode. It sounds in a different tone when the TIME/CALENDAR mode appears, so that you can easily know the mode shown.

TIME/CALENDAR MODE

● The calendar automatically adjusts for odd and even months including February of leap years.
● In second setting, when the seconds count any number from "30" to "59" and button D is pressed, one minute is added and the seconds are reset to "00".
● The flashing digits except the seconds and 12-/24-hour indication (and on/off of auto illumination function for Cal. W671) move quickly if button D is kept pressed.
● Once the year, month and date have been set, the day of the week is automatically set.
● If the watch is left untouched with the digits flashing, it will automatically return to the TIME/CALENDAR mode in 2 to 3 minutes.
● **Note for Cal. W671:**
  Some models have a color glass over the digital display. If the display is difficult to read, use the watch with the AUTO ILLUMINATION function turned on. When setting the time/calendar, press button E to turn on the illuminating light for easy viewing.

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● **Note on unusual display:**
While setting the time/calendar, all the segments of the display will light up if both buttons C and D are pressed at the same time. This is not a malfunction. Press any one of the buttons to return to the TIME/CALENDAR mode, and then set the time/calendar again.

STOPWATCH MODE

● **Notes for Cal. W671:**
   1) Lap time measured and lap number remain displayed for 10 seconds, and then, the current time appears in the upper row of the display.
   2) The lap number counts up to "99". After that, it is displayed in 2 digits such as "00" for 100, "01" for 101, and so on.
   3) The first 8 lap times are automatically stored in memory.
   4) Even if the digits are reset to "00" in the stopwatch measurement, stored data is not erased and can be recalled unless a new measurement is started.
   5) When the button operation confirmation sound is turned on, a beep sounds every minute to signal the lapse of time.
● Even if the STOPWATCH mode is changed to another while the measurement is in progress, it continues counting properly and the flashing STOPWATCH mode mark indicates that the stopwatch is in use. After the stopwatch is used, however, be sure to reset it as the battery energy is consumed enormously to shorten the battery life.

TIMER MODE

- After the set time is up, the timer counts down the set time repeatedly. After the timer is used, therefore, be sure to reset it as the battery energy is consumed enormously to shorten the battery life.
- In the adjustable timer setting, the flashing digits move quickly if button D is kept pressed.
- If the watch is left untouched with the digits flashing, it will automatically return to the TIMER mode in 2 to 3 minutes.
- Restart and stop of the timer can be repeated by pressing button C.
- **Notes for Cal. W626:**
  1) By pressing button B for 2 to 3 seconds in any one of the preset timer displays, the adjustable timer setting function is activated.
  2) If button D is pressed while the time set for the adjustable timer is displayed, the set time will be canceled.
- **Notes for Cal. W671:**
  1) After the countdown is repeated 99 times, the number of times the countdown is repeated is displayed in 2 digits such as "00" for 100, "01" for 101, and so on.
  2) When the button operation confirmation sound is turned on, a beep sounds every minute to signal the lapse of time.
  3) Even if the TIMER mode is changed to another while the measurement is in progress, it continues counting properly and the flashing TIMER mode mark indicates that the timer is in use. After the timer is used, however, be sure to reset it as the battery energy is consumed enormously to shorten the battery life.

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4) If the timer is left counting without being stopped, it will automatically be stopped and reset to show the set time when more than 12 hours passed and the time display reaches 0:00 a.m. or 0:00 p.m.

ALARM MODE

● At the designated time the alarm rings for 20 seconds, and the display is illuminated as the alarm rings. To stop them manually, press any one of the buttons.
● In the alarm time setting, the flashing digits move quickly if button D is kept pressed.
● When the time function is displayed in the 24-hour indication, the alarm is also displayed in the 24-hour indication.
● When setting the hour digits in the 12-hour indication, check that AM/PM is properly set.
● If the watch is left untouched with the digits flashing, it will automatically return to the ALARM mode in 2 to 3 minutes.
● **Alarm test:** The alarm can be tested by keeping buttons C and D pressed in the TIME/CALENDAR mode.
● When the hourly time signal mark is displayed, the hourly time signal rings every hour on the hour and the confirmation sound beeps with each press of the buttons.

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BATTERY CHANGE

2 Years

Battery life : Approx. 2 years
Battery : SEIKO CR2025

- *The battery life may be less than 2 years if the stopwatch is used for more than 10 hours a day, the timer for more than 10 hours a day, the alarm more than once a day, the illuminating light more than 3 times a day, the confirmation sound more than 24 times a day and/or the auto illumination more than 30 times a week (only for Cal. W671).*
- *As 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.*
- *We recommend that you contact an AUTHORIZED PULSAR DEALER for battery replacement.*

- **Battery life indicator**
  When all the digits start flashing, have the battery replaced with a new one as soon as possible.

- **Necessary procedure after battery change**
  After the battery is replaced with a new one, or if an abnormal display (broken digits, etc.) 45

appears, follow the procedure below to reset the IC.

Press and hold buttons A, B, C and D at the same time for 2 to 3 seconds. The display shown at right appears.

* *Before using the watch, set the time/ calendar and alarm.*

| Cal. W626 | Cal. W671 |

12:00 00

"January 1st, Wednesday" is shown in CALENDAR display.

⚠ 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.**
● **Never short-circuit, tamper with or heat the battery, and never expose it to fire. The battery may burst, become very hot or catch fire.**

⚠ CAUTION

● **The battery is not rechargeable. Never attempt to recharge it, as this may cause battery leakage or damage to the battery.**

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TO PRESERVE THE QUALITY OF YOUR WATCH

WATER RESISTANCE

● **Non-water resistant**

• If the watch becomes wet, have it checked by an AUTHORIZED PULSAR DEALER or SERVICE CENTER.

● **Water resistant 5/10/15/20 bar**

5 bar WR

10/15/20 bar WR

• Do not operate the buttons when the watch is wet or in water. If used in sea water, rinse the watch in fresh water and dry it completely.
• When taking a shower with the water resistant 5 bar watch, or taking a bath with the water resistant 10, 15 or 20 bar watch, be sure to observe the following:
  * Do not operate the buttons when the watch is wet with soapy water or shampoo.
  * If the watch is left in warm water, a slight time loss or gain may be caused. This condition, however, will be corrected when the watch returns to normal temperature.

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* Pressure in bar is a test pressure and should not be considered as corresponding to actual diving depth since swimming movement tends to increase the pressure at a given depth. Care should also be taken on diving into water.
** We recommend that you wear a PULSAR Diver's Watch for scuba diving.

TEMPERATURES

+50°C
−5°C

Your watch works with stable accuracy within a temperature range of 5° C and 35° C (41° F and 95° F). Temperatures over 50° C (122° F) or below −5° C (+23° F) may cause a slight time loss or gain or battery leakage or shorten the battery life.
However, the above conditions will be corrected when the watch returns to normal temperature.

MAGNETISM

N   S

Your watch will not be affected by magnetism.

CARE OF CASE AND BRACELET

To prevent possible rusting of the case and bracelet caused by dust, moisture and perspiration, wipe them periodically with a soft dry cloth.

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SHOCKS & VIBRATION

Light activities will not affect your watch, but be careful not to drop your watch or hit it against hard surfaces, as this may cause damage.

CHEMICALS

Be careful not to expose the watch to solvents, mercury, cosmetic spray, detergents, adhesives or paints. Otherwise, the case, bracelet, etc. may become discolored, deteriorated or damaged.

PERIODIC CHECK

2 - 3 Years

It is recommended that the watch be checked once every 2 to 3 years. Have your watch checked by an AUTHORIZED PULSAR DEALER or SERVICE CENTER to ensure that the case, buttons, gasket and crystal seal remain intact.

PRECAUTION REGARDING CASE BACK PROTECTIVE FILM

If your watch has a protective film and/or a sticker on the case back, be sure to peel them off before using your watch.

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STATIC ELECTRICITY

The IC (Integrated Circuit) used in your watch will be affected by static electricity which may disturb the display. Keep the watch away from close contact with objects such as TV screens which emit strong static electricity.

LIQUID CRYSTAL PANEL

The normal life expectancy for the liquid crystal panel of the watch is approximately 5 years. After that it may decrease in contrast, becoming difficult to read. Please contact your AUTHORIZED PULSAR DEALER or SERVICE CENTER if you wish to have a new panel fitted (guaranteed one year).