

6830 • 6850



SEIKO WATCH CORPORATION

BGJ6830-2503

Operating Instructions

Thank you very much for choosing a CREDOR watch.

Only the unique melding of traditional Japanese sensitivity and state-of-the-art technology can bring you a watch of this quality and character.

Doing so is our passion. The CREDOR name is your guarantee. From the French “crête d’or” or “crest of gold” it signifies our commitment to always being the very best.

We hope this CREDOR watch will be your favorite personal timepiece for many years to come.

Please read carefully the instructions in this booklet for proper and safe use of your CREDOR watch before start using it.

If your watch has a protective film for preventing scratches, make sure to peel it off before using the watch. If the watch is used with the film on it, dirt, sweat, dust, or moisture may be attached to the film and may cause rust.

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HANDLING CAUTIONS

⚠ WARNING To indicate the risks of serious consequences such as severe injuries unless the following safety regulations are strictly observed.

Immediately stop wearing the watch in the following cases.

- If the watch body or band becomes edged by corrosion etc.
- If the pins protrude from the band.
- * Immediately consult the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER.

Keep the watch and accessories out of the reach of babies and children.

Care should be taken to prevent a baby or a child accidentally swallowing the accessories. If a baby or child swallows the battery or accessories, immediately consult a doctor, as it will be harmful to the health of the baby or child.

⚠ CAUTION To indicate the risks of light injuries or material damages unless the following safety regulations are strictly observed.

Avoid wearing or storing the watch in the following places.

- Places where volatile agents (cosmetics such as polish remover, bug repellent, thinners, etc.) are vaporizing
- Places where the temperature drops below 5°C or rises above 35°C for a long time
- Places affected by strong magnetism or static electricity
- Places affected by strong vibrations
- Places of high humidity
- Dusty places

Do not shock or magnetize

- The watch is a precision device. Avoid shocks by dropping, spins or tumbles. Do not wear the watch when you play active sports.
- A mechanical watch may lose / gain time when it is affected by strong magnetism. "Magnetic resistance (Magnetic influence)"→ P. 14

If you observe any allergic symptoms or skin irritation

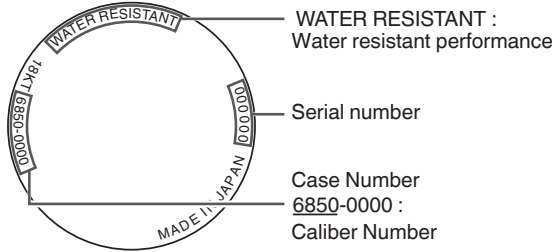
Stop wearing the watch immediately and consult a specialist such as a dermatologist or an allergist.

Other cautions

- Do not disassemble or tamper with the watch.
- Please follow local government directions when disposing of the watch body.
- Keep the watch out of the reach of babies and children. Extra care should be taken to avoid risks of any injury or allergic rash or itching that may be caused when they touch the watch.
- If your watch is of the fob or pendant type, the strap or chain attached to the watch may damage your clothes, or injure the hand, neck, or other parts of your body.
- Please keep in mind that if a watch is taken off and placed down as it is, the case back, the band and the clasp will rub against each other possibly causing scratches on the case back. We recommend placing a soft cloth between the case back, the band and the clasp after taking off your watch.

■ PERFORMANCE AND TYPE

The case back shows the performance and type of your watch.



- **Water resistant performance**
Please refer to P. 4.
- **Case number**
The number to identify the type of your watch
- **Serial number**
The number to identify your watch

* The above illustrations are examples and may differ from the case back of the watch you purchased.

■ WATER RESISTANT PERFORMANCE

Refer to the table below for the description of each degree of water resistant performance of your watch before using.

Indication on the case back	Water resistant performance	Conditions of Use
No indication	Non-water resistance	Avoid drops of water or sweat
WATER RESISTANT	Water resistance for everyday life	The watch withstands accidental contact with water in everyday life <hr/> ⚠ WARNING Not suitable for swimming
WATER RESISTANT 5 BAR	Water resistance for everyday life at 5 barometric pressures	The watch is suitable for swimming.
WATER RESISTANT 10 (20) BAR	Water resistance for everyday life at 10 (20) barometric pressures	The watch is suitable for diving not using an air cylinder.

■ CAUTIONS ON WATER RESISTANCE

⚠ WARNING



Do not use the watch in scuba diving or saturation diving.

The various tightened inspections under simulated harsh environment, which are usually required for watches designed for scuba diving or saturation diving, have not been conducted. For diving, use watches specifically designed for diving.

⚠ CAUTION



Do not pour running water directly from faucet.

The water pressure of tap water from a faucet is high enough to degrade the water resistant performance of a water resistant watch for everyday life.

Do not turn or pull out the crown when the watch is wet.



Water may get inside of the watch.
 * If the inner surface of the glass is clouded with condensation or water droplets appear inside of the watch for a long time, the water resistant performance of the watch is deteriorated.
 Immediately consult the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER.

Do not leave moisture, sweat and dirt on the watch for a long time.



Be aware of a risk that a water resistant watch may lessen its water resistant performance because of deterioration of the adhesive on the glass or gasket, or the development of rust on stainless steel.

Do not wear the watch while taking a bath or a sauna.



Steam, soap or some components of a hot spring may accelerate the deterioration of water resistant performance of the watch.

■ CHARACTERISTICS

Characteristics of a mechanical watch

- This watch is a mechanical watch that runs by a mainspring.
- While the loss / gain of a quartz watch is shown by the monthly or yearly rate, the loss / gain of a mechanical watch is shown by the daily rate (loss/gain per one day).
- The loss / gain of a mechanical watch changes delicately day by day, depending on various environment or conditions in which the watch is used (such as temperatures, the amount of time the watch has been worn, the amount of arm movement, and the amount that the mainspring is wound up).
- A mechanical watch may lose / gain time when it is affected by strong magnetism. If the parts of the watch become magnetized, the watch needs repair including demagnetizing. In this case, consult the retailer from whom the watch was purchased.

Characteristics of tourbillon

- This watch is a mechanical watch with a tourbillon mechanism.
Tourbillon is a French word that means “whirl” or “whirlwind.” It comes from watch parts that rotate round and round in a whirling motion.
- The tourbillon is a mechanism used to average the influence of gravity caused by a change in the posture of the watch and to stabilize its accuracy by rotating parts such as a balance and an escapement, both used to control the accuracy of the watch, which are contained in a small cage called a “carriage.”
- Another characteristic of this mechanism is that you can visually enjoy the sophisticated unique motions of the parts.

■ NAMES OF THE PARTS

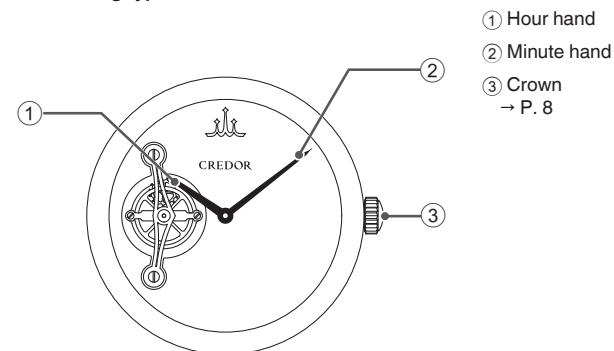
Please check the caliber number of your watch before reading each operating instruction. The caliber number can be checked on the case back of your watch. “PERFORMANCE AND TYPE”→ P. 4

* The caliber number identifies your watch type.

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

6830, 6850

Manual winding type



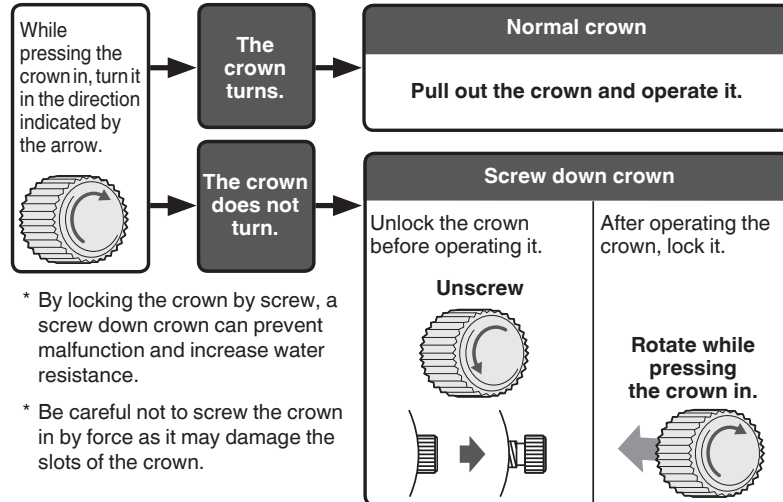
How to wind the mainspring→ P. 9

How to use→ P. 10

■ 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.

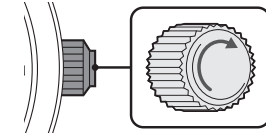
* Be careful not to screw the crown in by force as it may damage the slots of the crown.

* Turn the crown from time to time. → P. 12

How to wind the mainspring

Manual winding type (the procedure below is the same when you wind up an automatic winding type by hand)

- ① Do not pull the crown out.
(If the watch is equipped with the screw down crown, unscrew the crown before pulling it out.)
- ② Slowly turn the crown clockwise to wind the mainspring.



* When the watch is used from a stopped state, turn the crown about 30 times (for 6850, about 50 times) to fully wind up the mainspring.

- ③ Please wind the mainspring fully everyday at a fixed time to keep the watch moving accurately.

⚠ CAUTION

When the mainspring approaches full-winding, turning of the crown is heavy more or less, however, this is caused by reaction force of the wound mainspring, which is not defective. However, be careful not to keep turning the crown forcibly. Otherwise the mainspring may be cut.

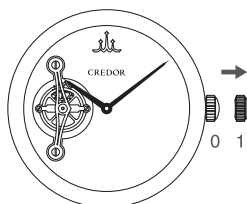
How to use

Models: 6830, 6850

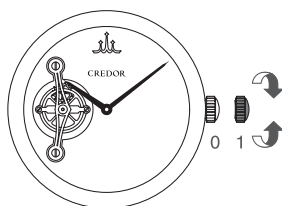
How to set the time

- ① Make sure that the watch is operating.
To carry out the procedure, please make sure that the watch is in working state.
Please wind the mainspring when the watch is not working.
“How to wind the mainspring”→ P. 9

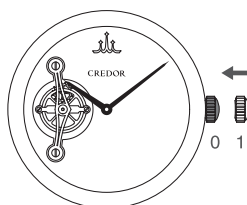
- ② Pull out the crown.
(If the watch is equipped with the screw down crown, unscrew the crown before pulling it out.)
* If the watch is a 68 series model, it continues to move when the crown is pulled out.



- ③ Turn the crown to set the hour and minute hands to the time.



- ④ Push the crown back in to its normal position.
(If the crown of your watch is a screw lock type, lock the crown.)



CAUTION

Due to its gear train mechanism, for setting the time of the mechanical watch correctly, the hands should be set back once slightly and then set forward to the correct time.

■ TO PRESERVE THE QUALITY OF YOUR WATCH

After-sale service

Notes on warranty and repair

- Contact the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER for repair or overhaul.
- Within the warranty period, present the warranty card to receive repair services.
- Warranty coverage is provided in the warranty booklet. Read carefully and retain it.
- For repair services after the warranty period has expired, if the functions of the watch can be restored by repair work, we will undertake repair services upon request and payment.

Replacement parts

- Please keep in mind that if original parts are not available, they may be replaced with substitutes whose outward appearance may differ from the originals.

Inspection and adjustment by disassembly and cleaning (overhaul)

- Periodic inspection and adjustment by disassembly and cleaning (overhaul) is recommended approximately once every 2 to 3 years in order to maintain optimal performance of the watch for a long time.
- The power transmission gear of the movement of this watch constantly receives force. To ensure that this mechanism works properly all the time, washing parts, changing oil, adjusting accuracy, checking functions and replacing consumable parts on a regular basis are important. The first overhaul after the purchase of your watch is particularly important for preserving long-time use of your watch. According to use conditions, the oil retaining condition of your watch mechanical parts may deteriorate, abrasion of the parts may occur due to contamination of oil, which may ultimately lead the watch itself to stop. As the parts such as the gasket may deteriorate, water-resistant performance may be impaired due to intrusion of perspiration and moisture. Please contact the retailer from whom the watch was purchased for inspection and adjustment by disassembly and cleaning (overhaul). For replacement of parts, please specify “SEIKO GENUINE PARTS”. When asking for inspection and adjustment by disassembly and cleaning (overhaul), make sure that the gasket and push pin are also replaced with new ones.
- When your watch is inspected and adjusted by disassembly and cleaning (overhauled), the movement of your watch may be replaced.

Daily care

The watch requires good daily care

- The watch body and band touch the skin directly just as underwear.
Keep the watch body and band clean in order to avoid stain on the sleeve edge or rash or itch.
After removing the watch from your wrist, wipe perspiration or moisture with a soft cloth as soon as possible.
- Do not use any chemical agent such as cleaner to clean the watch.

Turn the crown from time to time. (Only several turns in slow movement will be enough.)

- This prevents corrosion of the crown and helps to extend the life of the gasket in use.
- The same practice should be applied to a screw down crown. (No need to pull out the screw down crown.)
“Crown”→ P. 8
- Stainless steel is a highly rust-resistant metal. However, rust will form if contaminants are left on it for a long time.

Remarks on 18-karat gold

- 18-karat gold (18KT) is an alloy comprised of 75% of gold and 25% of other metals.
Depending on the proportion of the other metals mixed with the gold, the 18-karat gold is classified into three colors such as yellow gold (YG), white gold (WG) and pink gold (PG).

Decoloration of 18-karat gold

- While gold can maintain its glittering quality, other metal components in the alloy may discolor to look like reddish or blackish due to various reasons.
- Daily care helps to prevent discoloration of the alloy, however, if the discoloration or stain of the alloy persists even after wiping the watch off, take your watch to the retailer from whom the watch was purchased for refinishing. (Refinishing will be done at a cost.)

Watch body / metal bracelet

Length adjustment service

- For the length adjustment service of the 18-karat gold or platinum bracelet, ask the retailer from whom the watch was purchased.
The watch will be submitted to CREDOR SERVICE STUDIO for the length adjustment.
It may take two to three weeks depending on the model to adjust the length of the bracelet.
- The length adjustment service of the 18-karat gold, platinum or stainless steel mesh bracelet will not be charged only for the first time. However, the cost for materials or parts necessary for the length adjustment and repair cost other than the length adjustment will be charged.
- The length adjustment service of stainless-steel band is available from the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER. Some other retailers may charge you for the length adjustment or may not undertake such treatments.

Periodic cleaning

- Periodic cleaning is highly recommended to enjoy the best quality of the watch for a long time.
Ask the retailer from whom the watch was purchased or the CREDOR SERVICE STUDIO through your nearby CREDOR retailers. (Cleaning may be done at a cost.)

Band

The band touches the skin directly and becomes dirty from sweat or dust. Therefore, lack of care may accelerate deterioration of the band or cause skin irritation or stain on the sleeve edge. The watch requires a lot of attention for long usage.

Metallic band

- Moisture, sweat or soil will cause rust even on a stainless steel band if they are left for a long time.
- Lack of care may cause a yellowish or gold stain on the lower sleeve edge of shirts.
- Wipe off moisture, sweat or soil with a soft cloth as soon as possible.
- To clean the soil around the joint gaps of the band, wipe it out in water and then brush it off with a soft toothbrush. (Protect the watch body from water splashes by wrapping it up in plastic wrap etc.)
Wipe off the remaining moisture with a soft cloth.
- Because some titanium bracelets use pins made of stainless steel, which has outstanding strength, rust may form in the stainless steel parts.
- If rust advances, pins may poke out or drop out, and the watch case may fall off the bracelet, or the clasp may not open.
- If a pin is poking out, personal injury may result. In such a case, refrain from using the watch and request repair.

Leather band

- A leather band is susceptible to discoloration and deterioration from moisture, sweat and direct sunlight.
- Wipe off moisture and sweat as soon as possible by gently blotting them up with a dry cloth.
- Do not expose the watch to direct sunlight for a long time.
- Please take care when wearing a watch with light-colored band, as dirt is likely to show up.
- Refrain from wearing a leather band watch other than Aqua Free bands while swimming, and when working with water even if the watch itself is water-resistant enforced for daily use.

Notes on skin irritation and allergy

Skin irritation caused by a band has various reasons such as allergy to metals or leathers, or skin reactions against friction on dust or the band itself.

Notes on the length of the band

Adjust the band to allow a little clearance with your wrist to ensure proper airflow. When wearing the watch, leave enough room to insert a finger between the band and your wrist.



Magnetic resistance (Magnetic influence)

Affected by nearby magnetism, a watch may temporarily gain or lose time or stop operating. This watch is a magnetic resistant watch that is fully compliant with JIS level-1 standard.

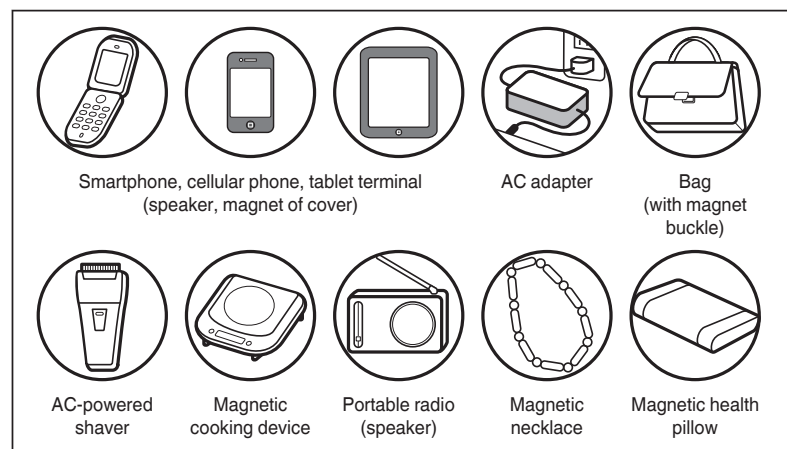
Conditions of use

Keep the watch more than 5 cm away from magnetic products.

(JIS-1)

If the watch becomes magnetized and its accuracy deteriorates to an extent exceeding the specified rate under normal use, the watch may need to be demagnetized. In this case, you will be charged for demagnetization and accuracy readjustment even if it happens within the warranty period.

Examples of common magnetic products that may affect watches



The reason why this watch is affected by magnetism

The built-in balance spring is provided with a magnet, which may be influenced by a strong external magnetic field.

Shock

⚠ CAUTION

This watch incorporates a complicated mechanism, comprising individual parts that exceed the number that ordinary timepieces have.

Exercise caution so as not to subject the watch to excessive shock or vibration.

Troubleshooting

Troubles	Possible causes	Solutions
The watch stops operating.	The mainspring has not been wound.	Wind the mainspring or swing the watch for a few times so that the watch will start operating. If this action does not correct the condition, consult the retailer from whom the watch was purchased.
The watch loses/ gains time.	The watch has been left in extremely high or low temperatures for a long time.	Normal accuracy will resume when the watch returns to normal temperature.
	The watch was brought into close contact with a magnetic object.	Accuracy cannot be recovered. Restoring the original accuracy requires demagnetization (repair). Consult the retailer from whom the watch was purchased.
	The watch was dropped, worn while playing active sports, hit against hard surfaces, or exposed to strong vibrations.	Accuracy cannot be recovered. Consult the retailer from whom the watch was purchased.
	Inspection, adjustment, and overhaul cleaning have not been performed for the watch for more than 3 years.	Consult the retailer from whom the watch was purchased.
Blur in the display persists.	Small amount of water has got inside the watch due to deterioration of the gasket, etc.	Consult the retailer from whom the watch was purchased.

* For the solution of troubles other than above, contact the retailer from whom the watch was purchased.

■ SPECIFICATIONS (Movement)

Cal. NO	6830	6850
Features	Hour and minute hands	
Vibrations/hour	21,600	
Loss/Gain	Daily rate +15 sec. to -10 sec.	
Driving system	Manual winding type	
Duration	Approx. 37 hours	Approx. 60 hours
Jewels	22 jewels	

* The loss/gain specified above is factory-adjusted.

* Due to the mechanical watch mechanism, actual loss/gain may not fall within the range of the loss/gain specified above, depending on various environment or conditions (including temperatures, arm movement, the amount the mainspring is wound up, and other conditions in which the watch is worn).