



取扱説明書

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 – “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.

68

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 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

70

⚠ 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 on the water-resistant watch with the BAR (barometric pressure) display. For diving, use special watches 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.

72

⚠ CAUTIONS

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

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

71

⚠ CAUTION



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 (listed on the end of a book).



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.

73

Characteristics of mechanical watches (Windup type / Self-winding type)

- This watch is a mechanical watch that runs by a mainspring.
- Before using the watch, turn the crown by hand about 20 times to wind up the mainspring of the watch.
- 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 temporarily 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.

74

CONTENTS

HANDING CAUTIONS	7 0	(4L75·8L75·6S37·6S77·6S78)	9 3
Characteristics of mechanical watches (Windup type / self-winding type)	7 4	Date adjustment at the end of the month	9 5
CONTENTS	7 6	How to set the time, day, and date (4S76·4S77)	9 6
HOW TO USE		Date adjustment at the end of the month	9 9
Models and names of the parts (Refer to p.88 To p.89 For further details)	8 0	How to adjust the time zone	1 0 0
CROWN	8 6	How to set the time, 24-hour hand and date (8L36)	1 0 2
How to wind up the mainspring of the watch	8 7	Time difference adjustment	1 0 6
POWER RESERVE INDICATOR	8 9	To set the date	1 0 7
How to set the time	9 0	List of time zone differences in major regions of the world	1 0 8
How to set the time and date			

76

75

How to use the CHRONOGRAPH (6S series)	1 1 0	LUMIBRITE	1 2 6
How to use the TACHYMETER	1 1 1	AFTER-SALE SERVICE	
How to use the TELEMETER	1 1 2	AFTER-SALE SERVICE	1 2 8
TO PRESERVE THE QUALITY OF YOUR WATCH		TROUBLE SHOOTING	
DAILY CARE	1 1 4	TROUBLESHOOTING	1 3 2
PERFORMANCE AND TYPE	1 1 5	SPECIFICATIONS	
WATER RESISTANCE	1 1 6	SPECIFICATIONS	1 3 4
MAGNETIC RESISTANCE	1 1 8		
WATCH BAND	1 2 0		
HOW TO USE THE THREE-PIECE FOLDOVER CLASP	1 2 2		
REMARKS ON 18-KARAT GOLD	1 2 4		
WATCH BODY/METAL BRACELET	1 2 5		

77

HOW TO USE

78

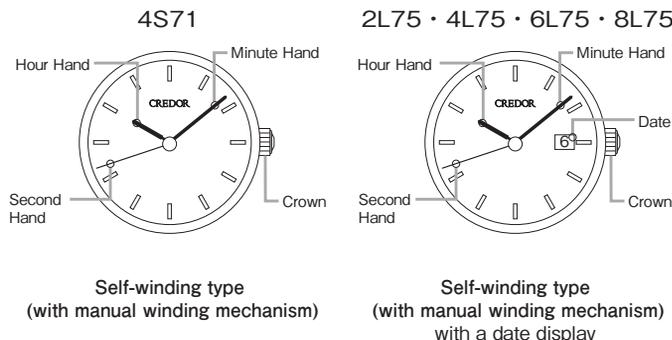
Models and names of the parts (Refer to P.134 to P.135 for further details)

The caliber number can be checked on the case back of your watch.
→ “PERFORMANCE AND TYPE” on page 115

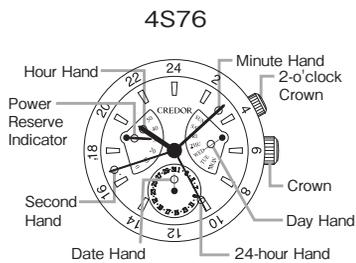
※ The caliber number identifies your watch type.



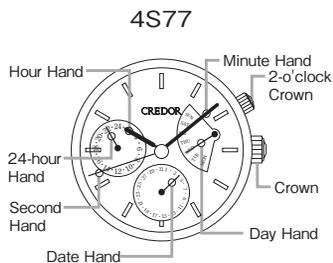
80



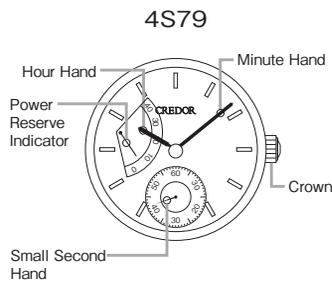
81



4S76
Self-winding type
(with manual winding mechanism)
with a retrograde-type day hand
Time zone adjustment
with a power reserve indicator
with a date display



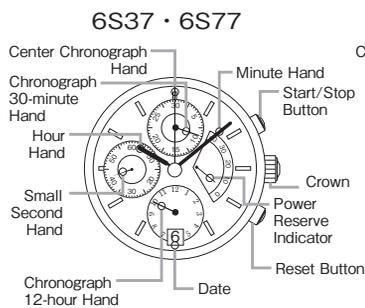
4S77
Self-winding type
(with manual winding mechanism)
with a retrograde-type day hand
Time zone adjustment
with 24-hour Hand and date display



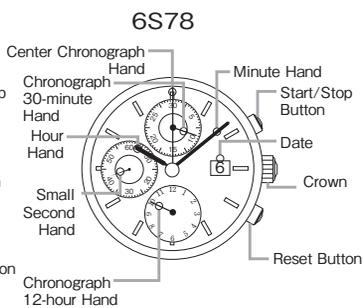
4S79
Wind-up type
with a power reserve indicator



8L36
Self-winding type
(with manual winding mechanism)
Time zone adjustment
with 24-hour hand and date display



6S37 · 6S77
Self-winding type
(with manual winding mechanism)
with a power reserve indicator,
a chronograph movement
and date display



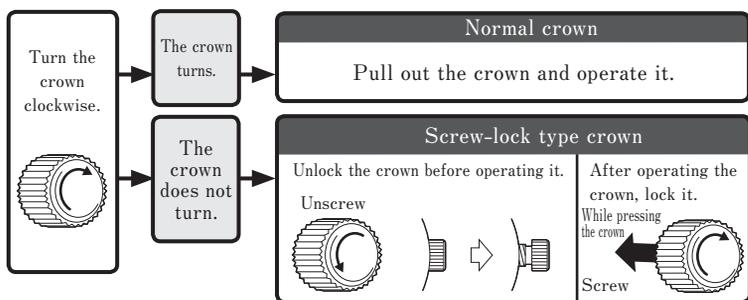
6S78
Self-winding type
(with manual winding mechanism)
with a chronograph movement
and date display



6S74 · 6S96 · 6S99
6S74, 6S99: Wind-up type
6S96: Self-winding type
(with manual winding mechanism)
with a power reserve indicator,
a chronograph movement

CROWN

There are two types of crowns, a normal crown and a screw-lock crown.
Check the crown on your watch.

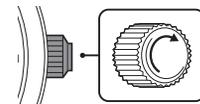


- ※ If your watch has a screw-lock crown, the crown screws into the watch to prevent malfunction and increase water resistance.
- ※ Be careful not to screw the crown in by force as it may damage the slots of the crown.

How to wind up the mainspring of the watch

For a wind-up watch (the procedure below is the same when you wind up a self-winding watch by hand)

- Do not pull out the crown.
(In the case of a screw lock type crown, release the lock.)
- Slowly turn the crown clockwise to wind the mainspring.
 - 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.
 - It is structured so that the crown can be further turned in the full-winding state. Although it is not necessary to worry about cutting the mainspring, refrain from excessive turning. (2L, 4S, 6L, 6S, 4L and 8L series)
- Wind up the mainspring fully every day at a fixed time to keep the watch moving accurately.



POWER RESERVE INDICATOR

- The power reserve indicator lets you know the winding state of the mainspring.
- Before removing the watch from your wrist, observe the power reserve indicator to check if the watch has stored enough power to keep running until the next time you wear it. If necessary, wind the mainspring. (To prevent the watch from stopping, wind the mainspring to store the excess power that will allow the watch to run for extra time.)

Self-winding watch (with manual winding mechanism)

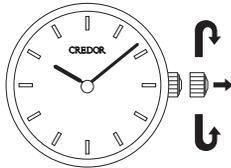
The mainspring can be sufficiently wound automatically by natural movement of the arm while normally worn on the wrist. In addition, it can be wound by turning the crown.

A stopped watch can be started by arm movement when it is worn on the wrist, however, before wearing the watch, wind the mainspring sufficiently and adjust the time and date.

It is recommended that you wear the watch on your wrist more than 10 hours a day to keep the mainspring wound up. If the mainspring is not wound up sufficiently, the watch may lose or gain time. When the mainspring is not wound up sufficiently, wind it up fully by turning the crown by hand every day at a fixed time.

How to set the time

① Models without a second hand (6870 · 6890 · 6899)



1. Make sure that the watch is operating.
 ※ Always set the date and time when the watch is operating. If the watch is not operating, wind the mainspring. → "How to wind up the mainspring of the watch" on page 87
2. Pull out the crown.
3. Turn the crown to set the hour and minute hands to the time.
 Turn the crown clockwise, not counterclockwise, to set the time accurately.
 Push the crown back in to its normal position in accordance with a time signal.
 ※ If the watch is a 68 series model with a small second hand (6898), the second hand continues to move when the crown is pulled out to the first click (time setting).
 ○ The telephone time signal service (Tel. 117) is convenient to set the time.
 ○ Due to its wheel 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.

90

4. Push the crown back in to its normal position in accordance with a time signal. The watch starts operating.
 ○ The telephone time signal service (Tel. 117) is convenient to set the time.
 ○ For models with a screw lock type crown, always screw the crown up again after setting the time and date.
 ○ Due to its wheel 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.

② Models with a second hand (or a small second hand) (6898·2L75·4L75·4S71·4S79·6L75·6S74·6S96·6S99)



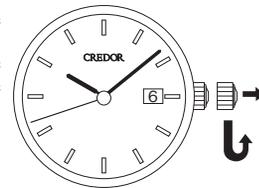
1. Make sure that the watch is operating.
 ※ Always set the date and time when the watch is operating. If the watch is not operating, wind the mainspring. → "How to wind up the mainspring of the watch" on page 87
2. Pull out the crown to the first click to stop the watch when the second hand is at the 0 second position.
 ※ If the crown of your watch is a screw lock type, unlock the crown. → CROWN on page 86
 ※ If the watch is a 68 series model with a small second hand (6898), the second hand continues to move when the crown is pulled out to the first click (time setting).
3. Turn the crown to set the hour and minute hands to the time.

91

How to set the time and date (2L75·4L75·6L75·8L75·6S37·6S77·6S78)

※ The date changes once every 24 hours at around 12 o'clock a.m. Therefore, if the a.m./p.m. is incorrectly set, the date will change around 12 o'clock p.m.

1. Make sure that the watch is operating.
 ※ Always set the date and time when the watch is operating. If the watch is not operating, wind the mainspring. → "How to wind up the mainspring of the watch" on page 87
 ○ Do not adjust the date between 8 o'clock p.m. and 2 o'clock a.m. If the date is adjusted during this period of time, the date may not change when the next day comes, or this may cause damage.
2. Pull out the crown to the first click.
 ※ If the crown of your watch is a screw lock type, unlock the crown. → CROWN on page 86
3. The date can be adjusted by turning the crown clockwise (12 o'clock direction). First turn the crown clockwise until the previous day's date from the desired date appears.
 (Ex.) If you want to set the date to "6," set the date to "5" by turning the crown clockwise.



92

4. Pull out the crown to the second click to stop the watch when the second hand is at the 0 second position.
5. Turn the crown clockwise until the desired date appears. When the date changes, the time is a.m. Further turn the crown to set the current time.
6. Push the crown back in to the normal position in accordance with a time signal. The watch starts operating.
 ○ The telephone time signal service (Tel. 117) is convenient to set the time.
 ○ For models with a screw lock type crown, always screw the crown up again after setting the time and date.
 ○ Due to its wheel 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.

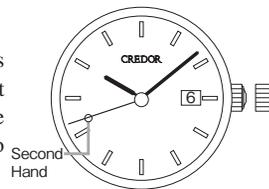


93

Date adjustment at the end of the month

It is necessary to adjust the date after February (which has 28 days, 29 days in a leap year) and a 30 day month.

- (Ex.) On the first day of a 30 day month, "31" is displayed. Pull out the crown to the first click. Turn the crown clockwise to set the date to "1," and push the crown back in to the normal position.



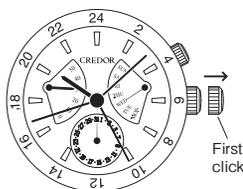
- For models with a screw lock type crown, always screw the crown up again after setting the date.
- Do not adjust the date between 8 o'clock p.m. and 2 o'clock a.m. If the date is adjusted during this period of time, the date may not change when the next day comes, or this may cause damage.

94

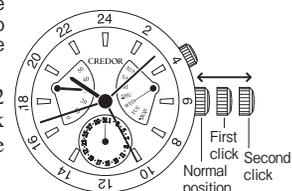
How to set the time, day, and date (4S76·4S77)

The date changed once every 24 hours at around 12 o'clock a.m. Therefore, if the a.m./p.m. is incorrectly set, the date will change around 12 o'clock p.m.

1. Make sure that the watch is operating.
 ※ Always set the date and time when the watch is operating. If the watch is not operating, wind the mainspring.
 → "How to wind up the mainspring of the watch on page 87
 ○ Do not adjust the date between 9:30 o'clock p.m. and 2:30 o'clock a.m. If the date is adjusted during this period of time, the date may not change when the next day comes, or this may cause damage.
2. Pull out the 3 o'clock position crown to the second click. Turn the crown to set the 24-hour hand and the minute hand to the 12 o'clock position.
 ※ If the watch is equipped with the screw lock type crown, unscrew the crown before pulling it out. → CROWN on page 86
3. Push the 3 o'clock position crown back to its normal position.



4. Pull out the 2 o'clock position crown to the first click. Turn the crown to adjust the time zone, and set the hour hand to the 12 o'clock position.
 ※ To adjust the time zone, the hand can be turned either clockwise or counterclockwise without any problem.
5. Push the 2 o'clock position crown back to its normal position.
6. Pull out the 3 o'clock position crown to the first click.
7. Turn the 3 o'clock position crown clockwise to adjust the day. Then turn the crown counterclockwise to adjust the date.
 ※ When the day is adjusted by turning the crown clockwise, the mainspring is also wound. This makes turning the crown a little heavy but this is not a malfunction.
8. When the second hand reaches the 12 o'clock position, pull out the 3 o'clock position crown to the second click (the second hand will stop).



96

97

9. Turn the crown clockwise until the desired date and day appears. When the date and day changes, the time is a.m. Further turn the crown to set the current time.
10. Push the crown back in to the normal position in accordance with a time signal. The watch starts operating.
 - ※The telephone time signal service (Tel. 117) is convenient to set the time.
 - For models with a screw lock type crown, always screw the crown up again after setting the time and date.
 - Due to its wheel train mechanism, for setting the time of a mechanical watch correctly, the hands should be set back once slightly and then set forward to the correct time.

Note :

Do not turn the minute hand counterclockwise at and around 1:00 AM while the date hand is showing "Monday". Otherwise, the hour hand may turn free.

- If the minute hand is turned clockwise to set the time around 1:00 AM, the hour hand will not turn free.

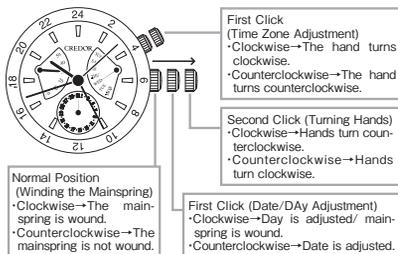
How to adjust the time zone

This caliber is equipped with a "time zone adjustment mechanism." By using the 2 o'clock position crown, the hour hand can be independently adjusted in one-hour increments.

This eliminates the trouble of stopping the watch to adjust the time when you travel abroad. In addition, by using the 24-hour hand (GMT hand) at the center of the watch, the watch can be used as a dual time watch that shows home time and local time.

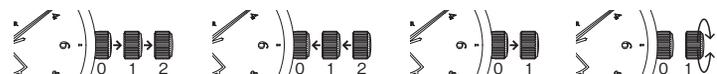
While the date can be adjusted by turning the hour hand for the "time zone adjustment mechanism", the date and day can be also adjusted independently by using the 3 o'clock position crown.

1. Check that the 3 o'clock position crown is at its normal position. Then pull out the 2 o'clock position crown to the first click.
2. Turn the 2 o'clock position crown to set the time of your destination.
3. On completing the adjustment of the 24-hour hand, push the 2 o'clock position crown back to its normal position.



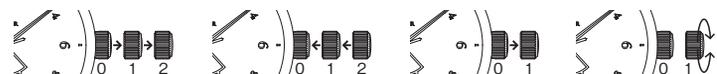
How to set the time, 24-hour hand and date (8L36)

Method 01: To set the 24-hour hand to the current time of your area



1. Make sure that the watch is operating.
 - ※Always set the date and time when the watch is operating. If the watch is not operating, wind the mainspring. → "How to wind up the mainspring of the watch" on page 87
2. Pull out the crown to the second click when the second hand is at the 12 o'clock. The second hand stops on the spot.
 - ※If the watch is equipped with the screw lock type crown, unscrew the crown before pulling it out. CROWN on page 86
3. Turn the crown clockwise to set the 24-hour and minute hands to the current time of your area. Check that AM/PM is correctly set.
4. Push the crown back in to the unscrewed position in accordance with a time signal for "00" seconds. Adjustments of the 24-hour, minute and second hands have been completed.
5. Then, pull out the crown to the first click and turn it to the hour hand to the current time.

Method 02: To set the 24-hour hand to the time of an area in a different time zone

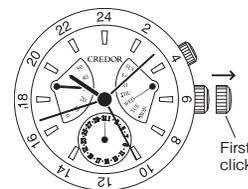


1. Make sure that the watch is operating.
 - ※Always set the date and time when the watch is operating. If the watch is not operating, wind the mainspring. → "How to wind up the mainspring of the watch" on page 87
2. Pull out the crown to the second click when the second hand is at the 12 o'clock. The second hand stops on the spot.
 - ※If the watch is equipped with the screw lock type crown, unscrew the crown before pulling it out. CROWN on page 86
3. Turn the crown clockwise to set the 24-hour and minute hands to the Greenwich Mean Time. Check that AM/PM is correctly set.
4. Push the crown back in to the unscrewed position in accordance with a time signal for "00" seconds. Adjustments of the 24-hour, minute and second hands have been completed.
5. Then, pull out the crown to the first click and turn it to the hour hand to the time of Japan.

Date adjustment at the end of the month

It is necessary to adjust the date after February (which has 28 days, 29 days in a leap year) and a 30 day month.

- (Ex.) On the first day of a 30 day month, "31" is displayed. Pull out the crown to the first click. Turn the crown clockwise to set the date to "1," and push the crown back in to the normal position.



- For models with a screw lock type crown, always screw the crown up again after setting the time and date.
- Do not adjust the date between 9:30 p.m. and 2:30 a.m. If the date is adjusted during this period of time, the date may not change when the next day comes, or this may cause damage.

Note :

When adjusting the time zone using the 2 o'clock position crown, if the crown is turned with the 3 o'clock position crown pulled to the second click (where hands can be turned), the time zone adjustment mechanism may fail to work and the time zone may not be adjusted. Therefore, ensure that the 3 o'clock position crown is pushed to its normal position when adjusting the time zone.

■The date can be adjusted at this step. (To do so, refer to P.107 TO SET THE DATE.)

※Check that AM/PM is correctly set by turning the hour hand past the 12 o'clock marker. If the date changes to the next, the time is set for the AM period. If the date does not change, the time is set for the PM period.

※When setting the hour hand, other hands may move slightly. However, this is not malfunction.

6. After setting the hour hand, push back the crown and screw it completely by turning it clockwise.

■The date can be adjusted at this step. (To do so, refer to P.107 TO SET THE DATE.)

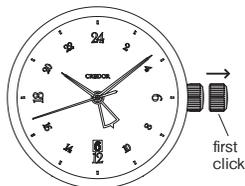
※Check that AM/PM is correctly set by turning the hour hand past the 12 o'clock marker. If the date changes to the next, the time is set for the AM period. If the date does not change, the time is set for the PM period.

※When setting the hour hand, other hands may move slightly. However, this is not malfunction.

6. After setting the hour hand, push back the crown and screw it completely by turning it clockwise.

Time difference adjustment

Set the hour hand to the time of any area using the time difference obtained in "How to calculate the time differences"



※When setting the hour hand, other hands may move slightly. However, this is not malfunction.
 ※If you set the date between 10 PM and 0 AM by turning the hour hand counterclockwise, turn the hour hand until it shows sometime between 9 PM and 10 PM once, then set the date. In case the hour hand is turned counterclockwise, the date will be put back when the hour hand shows around 10 PM, however, it is not malfunction.

1. Pull out the crown to the first click.
2. Turn the crown to set the hour hand to the time of any area.
3. After setting the hour hand, push back the crown.
 ◎For models with a screw lock type crown, make sure to screw the crown up again after winding the mainspring.

106

To set the date

1. Pull out the crown to the first click.
2. Turn the crown to set the date. By turning the hour hand two full circles clockwise or counterclockwise at the maximum, one day is advanced or put back, respectively.
 ※When setting the hour hand, other hands may move slightly. However, this is not malfunction.
3. After setting the date, reset hour hand to the current hour, and then, push the crown back.



Clockwise:
The hour hand turns clockwise, and the date advances.

counterclockwise:
The hour hand turns counterclockwise, and the date is put back.

◎For models with a screw lock type crown, make sure to screw the crown up again after winding the mainspring.
 ※check that AM/PM is correctly set by turning the hour hand past the 12 o'clock marker. If the date changes to the next, the time is set for the AM period. If the date does not change, the time is set for the PM period.
 ※If you set the date between 10 PM and 0 AM by turning the hour hand counterclockwise, turn the hour hand until it shows sometime between 9 PM and 10 PM once, then set the date. In case the hour hand is turned counterclockwise, the date will be put back when the hour hand shows around 10 PM, however, it is not malfunction.

107

List of time zone differences in major regions of the world

Refer to "How to use the time difference adjustment function" on page 65

Regions marked with ★ use daylight saving time (as of June, 2018).

Names of the cities	Time difference from Japan	Time difference from UTC	Other cities
Wellington ★	+3 hours	+12 hours	Auckland ★
Nouméa	+2 hours	+11 hours	Solomon Islands
Sydney ★	+1 hour	+10 hours	Guam
Tokyo	± 0	+9 hours	Seoul, Pyongyang
Hong Kong	-1 hours	+8 hours	Beijing, Singapore
Bangkok	-2 hours	+7 hours	Jakarta
Dacca	-3 hours	+6 hours	
Karachi	-4 hours	+5 hours	
Dubai	-5 hours	+4 hours	
Jeddah	-6 hours	+3 hours	Baghdad
Cairo ★	-7 hours	+2 hours	Athens ★

The time differences and use of daylight saving time in each region are subject to change according to the governments of the respective countries or regions.

108

There are time zone differences based on time offsets from Coordinated Universal Time (UTC), which has been internationally adopted. The world is divided into 24 time zones, and neighboring time zones have a one-hour time difference, so that they correspond to the rotation of the earth which makes one full rotation in 24 hours (1 day). In some regions of the world, daylight saving time is individually observed. Daylight saving time is a system that advances the official local time by one hour during the summer to take advantage of longer daylight hours.

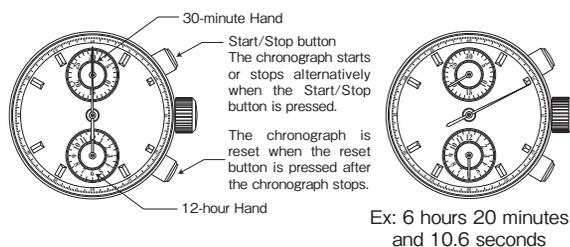
Names of the cities	Time difference from Japan	Time difference from UTC	Other cities
Paris ★	-8 hours	+1 hour	Roma ★, Berlin ★
London	-9 hours	± 0	Lisbon ★
Azores ★	-10 hours	-1 hour	
Rio de Janeiro ★	-12 hours	-3 hour	
Santo Domingo	-13 hours	-4 hour	
New York ★	-14 hours	-5 hour	Montreal ★
Chicago ★	-15 hours	-6 hour	Mexico City ★
Denver ★	-16 hours	-7 hour	
Los Angeles ★	-17 hours	-8 hour	Vancouver ★
Anchorage ★	-18 hours	-9 hour	
Honolulu	-19 hours	-10 hour	
Midway Islands	-20 hours	-11 hour	

109

How to use the CHRONOGRAPH (6S series)

The chronograph measures up to 12 hours in 1/5-second increments.

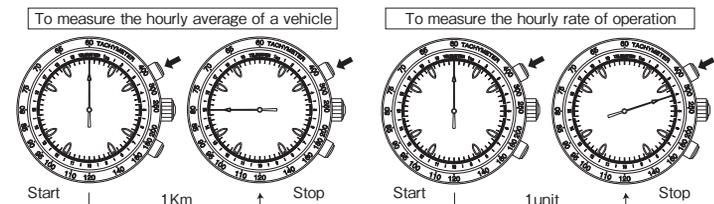
- Pressing Start/Stop button repeatedly enables the chronograph to continue to count.
- If the mainspring of the watch is not wound up sufficiently, the chronograph does not work.
- In order to reset the chronograph, press the reset button when the chronograph is not working.



110

How to use the TACHYMETER

The TACHYMETER scale can be used to measure the hourly average of a vehicle or the hourly rate of operation.

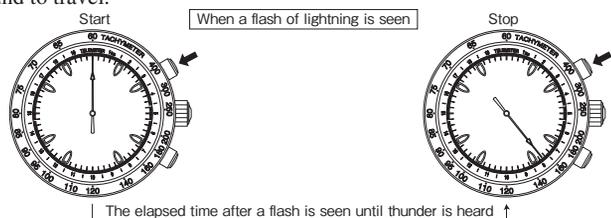


1. Use the chronograph to determine how many seconds it takes to go 1 km.
 2. Tachymeter scale indicated by the second hand gives the average speed per hour.
80 km/hour
1. Use the chronograph to measure the time required to complete 1 job.
 2. Tachymeter scale indicated by the second hand gives the average number of jobs accomplished per hour.
300 jobs/hour

111

How to use the TELEMETER

The TELEMETER scale can be used to measure the distance of something (ex: lightning) from the wearer of the watch by the amount of time it takes for a sound to travel.



1. Press the Start/Stop button to start the chronograph when a flash of lightning is seen.
2. Press the Start/Stop button to stop the chronograph when thunder is heard. Telemeter scale indicated by the second hand gives the distance of the lightning.
The distance between you and the lightning is 8 km.

112

TO PRESERVE THE QUALITY
OF YOUR WATCH

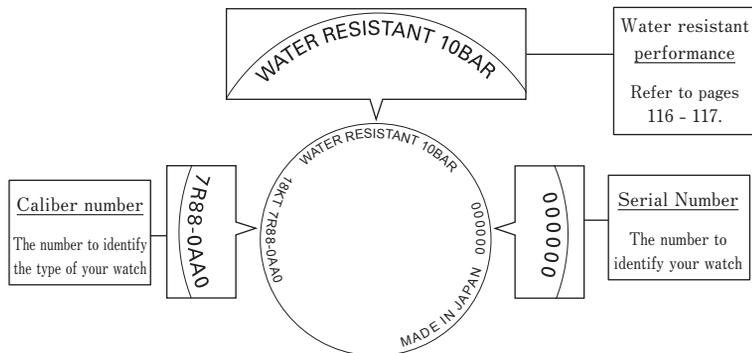
DAILY CARE

- It is highly recommended for you to take good care of the watch in order to enjoy the superb quality of the watch for a long time.
 - 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 the screw-lock type crown. (No need to pull out the screw-lock type crown.)
 - CROWN on page 86
 - Stainless steel is a highly rust-resistant metal. However, rust will form if contaminants are left on it for a long time.

114

PERFORMANCE AND TYPE

The case back shows the caliber and performance of your watch



※ The figure above is one example. Performance of your watch is different from above sample.

115

WATER RESISTANCE

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

(Refer to "page 115")

Indication on the case back	Water resistant performance	Condition 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. ⚠ WARNING Not suitable for swimming
WATER RESISTANT 5 BAR	Water resistance for everyday life at 5 barometric pressures	The watch is suitable for sports such as 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.

116

MAGNETIC RESISTANCE

Affected by nearby magnetism, this watch may temporarily stop operating, or gain or lose time.

This watch is a magnetic resistant watch that is fully compliant with JIS level-1 standard.

How to handle the watch

Keep the watch 5 cm or more away from magnetic products.
(JIS level-1 standard)

If the accuracy exceeds the accuracy target range during normal usage due to magnetization, removal of magnetism and accuracy readjustment works are charged regardless of the guarantee period.

- Why is this watch affected by magnetism?
Because the adjustment mechanism equipped in the Spring Drive uses a magnet, which is affected by strong magnetism from outside.

118

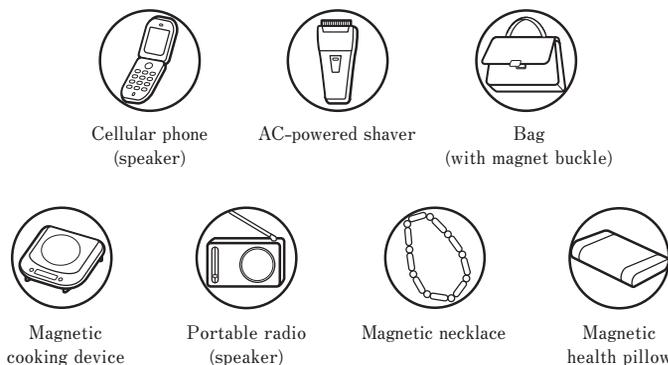
WATCH BAND

The band touches the skin directly and becomes dirty with 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.)
 - Because some titan 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.

120

Examples of common magnetic products that may affect watches



119

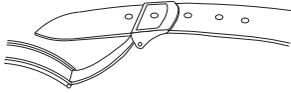
- **Leather band**
 - A leather band is susceptible to discoloration and deterioration from moisture, sweat and direct sunlight.
 - Wipe off moisture and sweat as soon as possible by gently blotting them up with a dry cloth.
 - Do not expose the watch to direct sunlight for a long time.
 - Please take 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 bathing, swimming, and when working with water even if the watch itself is water-resistant enforced for daily use (10-BAR water resistant).
- **Polyurethane band**
 - A polyurethane band is susceptible to discoloration from light, and may be deteriorated by solvent or atmospheric humidity.
 - Especially a translucent, white, or pale colored band easily adsorbs other colors, resulting in color smears or discoloration.
 - Wash out dirt in water and clean it off with a dry cloth.
(Protect the watch body from water splashes by wrapping it up in plastic wrap etc.)
 - When the band becomes less flexible or cracked, replace the band with a new one.

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.

121

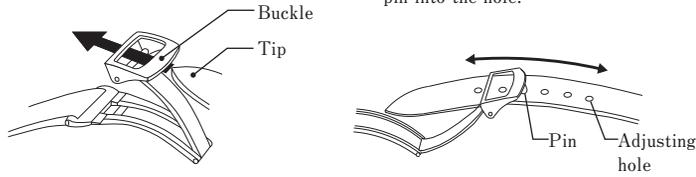
HOW TO USE THE THREE-PIECE FOLDOVER CLASP

Three-piece foldover clasp



How to adjust the length of the band

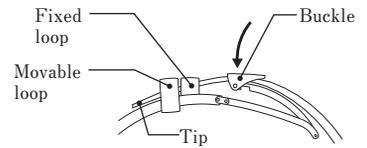
- ① Thread the tip of the band to the buckle.
- ② Slide the band to adjust its length and find the appropriate adjusting hole. Place the pin into the hole.



122

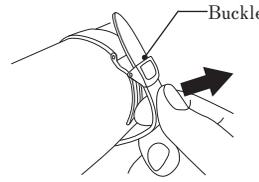
How to wear the watch

Insert the tip of the band into the fixed loop and movable loop, and push the buckle down to fasten the clasp.

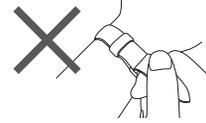


How to take off the watch

Place your finger between the band and clasp. Pinch the band with your fingers and pull it forward to open the clasp.



※ Do not pull the tip of the band to open the clasp, as this may damage the band.



※ If it is difficult to open the band following the above procedure, hold both sides of the buckle to open the clasp.

123

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 made at cost.)

124

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 STATION 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 or platinum 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.
- Only the first length adjustment of the 18-karat gold or platinum bracelet is free of charge. However, the cost for materials or parts necessary for length adjustment and repair cost other than 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 STATION through your nearby SEIKO retailers. (Cleaning may be made at cost.)

125

LUMIBRITE

If your watch uses LumiBrite

LumiBrite absorbs the energy of sunlight or artificial light in a short time (light of more than 500 lux for approximately 10 minutes) and stores it to emit light in darkness for a long time (approximately 3 to 5 hours). Please note, however, that, as LumiBrite emits the light it stores, the luminance level of the light decreases gradually over time. The duration of the emitted light may also differ depending on such factors as the brightness of the place where the watch is exposed to light and the amount of light the watch stores.

※ LumiBrite is a luminous paint that is completely harmless to human beings and the natural environment.

<Reference data on luminance>

Environment		Reference data on luminance
Sunlight	Fine weather	100,000 lux
	Cloudy weather	10,000 lux
Indoors (Window side during daytime)	Fine weather	more than 3,000 lux
	Cloudy weather	1,000 to 3,000 lux
	Rainy weather	less than 1,000 lux
Lighting apparatus (40-watt daylight fluorescent light)	1 m	1,000 lux
	3 m	500 lux (average room luminance)
	4 m	250 lux

126

AFTER-SALE SERVICE

Notes on after-sale service and guarantee

- Your CREDOR watch was strictly checked and completely adjusted at the factory to ensure its high accuracy. However, if your watch gets out of order with the correct way of use as described in this instruction booklet within the guarantee period, take your watch to the retailer from whom your watch was purchased together with the certificate of guarantee. Repair and adjustment will be made without charge.
- The guarantee period and detailed guarantee coverage is provided in the certificate of guarantee.
- For repair services after the guarantee period has expired or for any other information regarding the CREDOR watch, please contact the retailer from whom your watch was purchased or SEIKO CUSTOMER SERVICE CENTER (listed at the back of the booklet).

Notes on repair parts

- The CREDOR repair parts will be retained usually for 10 years. In principle, your watch can be reconditioned within this period if used normally.
- The number of years that a watch is considered repairable may vary greatly depending on the conditions under which it was used, and normal accuracy may not be achieved in some cases. We recommend, therefore, that you consult the retailer from whom the watch was purchased when having them repair your watch.
- The case, dial, hands, glass and bracelet, or parts may be replaced with substitutes if the originals are not available.
- For any other information regarding the CREDOR watch, please contact SEIKO CUSTOMER SERVICE CENTER (listed at the back of the booklet).

128

Notes on 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 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.

129

TROUBLE SHOOTING

130

TROUBLESHOOTING

Trouble	Possible Cause	Solution
The watch stops operating.	The remaining power for driving the watch has been consumed.	Wind the mainspring according to the "HOW TO WIND THE MAINSPRING" to readjust the time before use.
The watch temporarily gains/loses time.	The watch was brought into close contact with a magnetic object.	By distancing magnetism, accuracy is recovered. Readjust the time. If accuracy is not recovered, 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.
The date changes during daytime.	AM/PM is not correctly set.	Advance the hour hand for 12 hours and reset the time and date.
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.

132

	6870	6890	6899	6898	8L36	8L75	2L75	4L75	6L75	4S71	4S76	4S77
Features	Hour and minute hands			Hour, minute, and small second hands	Hour, minute, and second hands, and 24-hour	Hour, minute, and second hands, and date			Hour, minute, and second hands	Hour, minute, second, 24-hour, Power reserve indicator, date and day hands	Hour, minute, second, 24-hour, date, and day hands	
Vibrations/hour	21,600				28,800							
Loss/gain	(Second /day)+25 to -15			(Second /day)+15 to -10	(Second /day)+25 to -15		(Second /day)+15 to -10					
Driving system	Wind-up type			Self-winding type with manual winding mechanism								
Duration	Approx.37 hours			Approx.50 hours		Approx.42 hours	Approx.45 hours	Approx.40 hours	Approx.50 hours			
Jewels	22 jewels	26 jewels		27 jewels	26 jewels	35 jewels	25 jewels	26 jewels	25 jewels	31 jewels	28 jewels	

134

SPECIFICATIONS

	4S79	6S74	6S37-6S77	6S96	6S99	6S78
Features	Hour, minute, and small second hands, and power reserve indicator	Hour, minute, small second, center chrono, chrono 30-minute, and chrono 12-hour hands, and power reserve indicator (6S37-6S77:7 hands and date)				6 hands (hour, minute, small second, center chrono, chrono 30-minute, and chrono 12-hour hands) and date
Vibrations/hour	28,800					
Loss/gain	(Second /day)+15 to -10					
Driving system	Wind-up type	Self-winding type with manual winding mechanism			Wind-up type	Self-winding type with manual winding mechanism
Duration	Approx.40 hours	Approx.60 hours	Approx.50 hours	Approx.60 hours		Approx.50 hours
Jewels	31 jewels	35 jewels	40 jewels	38 jewels	35 jewels	34 jewels

- The loss / gain specified above is factory-adjusted. (chrono = chronograph)
- 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).

135

セイコーウォッチ株式会社

<https://www.seikowatches.com/>

<http://www.credor.com/>

お電話でのお問い合わせ

0120-302-617 (通話料無料)

受付時間 (月曜日～金曜日) 9:30～21:00

(土曜・日曜・祝日・年末年始) 9:30～17:30

お客様相談室

〒100-0005 東京都千代田区丸の内 3-1-1 国際ビル

〒550-0013 大阪市西区新町1-4-24 大阪四ツ橋新町ビルディング