

WARNING The symbol and character indicate that unless the following safety regulations are strictly observed, serious personal injury may result.

CAUTION The symbol and character indicate that unless the following safety regulations are strictly observed, slight personal injury or property may result.

REMARKS ON THE BATTERY

1. MONITOR BATTERY

The battery in your watch may run down in less than the specified period after the date of purchase, as it is a monitor battery inserted at the factory to check the functions and performance of the watch.

2. BATTERY REPLACEMENT

- For battery replacement, be sure to have the battery replaced with a genuine battery at the retailer or the dealer from whom you purchased the watch.
- If the old battery is left in the watch for a long time, a malfunction may be caused due to battery leakage, etc. Have it replaced with a new one as soon as possible.
- Battery replacement is charged even if it runs down within the guarantee period.
- After the battery is replaced with a new one, be sure to check that the calendar is correct. If the watch does not indicate the year, month and date correctly, adjust the calendar. (See "HOW TO CHECK AND ADJUST THE CALENDAR.")

3. BATTERY LIFE INDICATOR

When the second hand starts moving at two-second intervals instead of the normal one-second interval, replace the battery with a new one as soon as possible. Otherwise, the watch will stop operating in a couple of days.

- The time accuracy is not affected even if the second hand is moving at two-second intervals.
- While the second hand is moving at two-second intervals, the date will not change. This is not a malfunction.

WARNING

- The battery is not rechargeable. Never attempt to recharge it, as this may cause battery leakage or damage to the battery.
- 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 the child swallows it, consult a doctor immediately as it will affect the health of the child.

CAUTION

- Do not leave your watch out of the room temperature from 5°C to 35°C for a long time. Doing so may shorten the battery life or cause a malfunction due to battery leakage.

YEAR TABLE

Number displayed corresponding to the year	Number of years since the last leap year	Year	Year	Year	Year
4	leap year	-	2032	2060	2088
5	1 year	-	2033	2061	2089
6	2 year	-	2034	2062	2090
7	3 year	2007	2035	2063	2091
8	4 year (leap year)	2008	2036	2064	2092
9	1 year	2009	2037	2065	2093
10	2 year	2010	2038	2066	2094
11	3 year	2011	2039	2067	2095
12	4 year (leap year)	2012	2040	2068	2096
13	1 year	2013	2041	2069	2097
14	2 year	2014	2042	2070	2098
15	3 year	2015	2043	2071	2099
16	4 year (leap year)	2016	2044	2072	-
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28	4 year (leap year)	2028	2056	2084	-
29	1 year	2029	2057	2085	-
30	2 year	2030	2058	2086	-
31	3 year	2031	2059	2087	-

SPECIFICATIONS

- Frequency of crystal oscillator:
32,768Hz (Hz=Herz-Cycles per second)
- Loss/gain (monthly rate):
Less than 20 seconds at normal temperature range (5 °C to 35 °C)
- Operational temperature range:
-5 °C to +50 °C
- Driving system: Step motor
- Battery & Battery life:
Silver oxide battery (SR927SW)
Battery life: Approx. 4 years

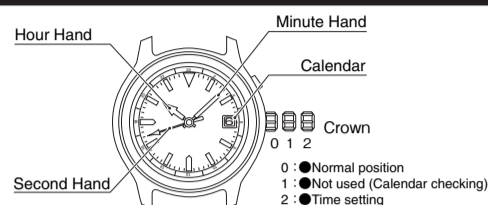
* The specifications are subject to change without prior notice, for product improvement.

PERPETUAL CALENDAR

- Once set, the calendar automatically adjusts for odd and even months including February of leap years up to February 28, 2100.
 - After 2032, see the "YEAR TABLE" to confirm the actual year corresponding to the number displayed.
- It indicates the year, month, and date.

BEFORE USING THE WATCH

- Because the calendar is preadjusted at the factory, you only need to set the time and date, and the calendar will automatically update itself.
- Before using the watch, set the time and date correctly following the procedures in "TIME/DATE SETTING."



TIME/DATE SETTING



Crown

- Pull out the second click when Second hand is at the 12 o'clock position.
- Turn in either direction to set the time and date.
- Push back completely in accordance with a time signal.

- The date changes between 11:00 p.m. and 1:00 a.m. while the watch is in operation or when advancing the hands by turning the crown clockwise and between 9:00 p.m. and 10:00 p.m. when moving the hands back by turning the crown counterclockwise. Therefore, note the following.

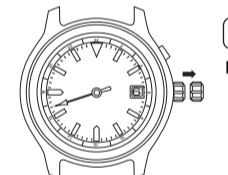
[AM/PM checking]

- When setting the hour hand, check that AM/PM is correctly set.
 - When setting the time by advancing the hands, turn the hour hand past the 1 o'clock marker. If the date advances, the time is set for the AM period. If it does not change, the time is set for the PM period.
 - When setting the time by turning back the hands, turn the hour hand past the 9 o'clock marker. If the date moves back the time is set for the PM period. If it does not change, the time is set for the AM period.
- When setting the minute hand, advance it 4 to 5 minutes ahead of the desired time and then turn it back to the exact time.
- If the calendar indication is not correct after setting the time and date, check that AM/PM is correctly set. If the calendar indication is still not correct even though AM/PM is correctly set, the initial position of the calendar may not be set correctly. In such a case, adjust the initial position of the calendar following the procedures in "HOW TO CHECK AND ADJUST THE CALENDAR."

HOW TO CHECK AND ADJUST THE CALENDAR

- Follow the procedures below to check the calendar, and if necessary, to adjust it.
- Do not check and adjust the calendar between 11:00 p.m. and 1:00 a.m. If the calendar is checked and adjusted between 11:00 p.m. and 1:00 a.m., the date may not change properly. In such a case, first change the time to any time outside this period, and then set the date. After that, move the hands back to the correct time.
- If the crown is pulled out to the second click while the numeral in the calendar frame is advancing or moving back, the second hand may be misaligned from the 12 o'clock position (initial position).
- The button and crown operation cannot be made while the numeral in the calendar frame is advancing or moving back. Press the button or turn the crown after the numeral stops.
- If the watch is left untouched for more than 2 or 3 minutes while checking or adjusting the calendar, the watch will resume normal movement. In such a case, start again from the beginning of the procedures in "HOW TO CHECK AND ADJUST THE CALENDAR."
- Do not leave the crown at the first or second click when you use the watch, as this will shorten the battery life.

1 Starting the check and adjustment of the calendar



Crown

Pull out to first click.

5 Current month



Button

Press once. The second hand will advance and stop at the 10 o'clock position. The current month will be shown in the calendar frame.

- If the current month is not shown in the calendar frame, turn the crown clockwise or counterclockwise to set the numeral to the current month (the numeral changes between 1 and 12).

2 The initial position of the second hand



Button

Press for 2 seconds. The second hand will move and stop at the 12 o'clock position (initial position). The numeral in the calendar frame will automatically move and stop to show "1."

- If the second hand is not set at the 12 o'clock position, turn the crown clockwise or counterclockwise to set the second hand to the 12 o'clock position.
- The second hand advances or moves back in 1-second increments when the crown is turned until it clicks.

6 Current year

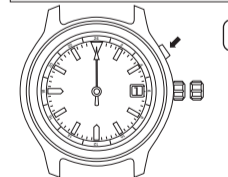


Button

Press once. The second hand will advance and stop at the 11 o'clock position. The last 1 or 2 digits of the current year will be shown in the calendar frame.

- If the current year is not shown in the calendar frame, turn the crown clockwise or counterclockwise until the last 1 or 2 digits of the current year are shown.
- After 2032, see the "YEAR TABLE" to confirm the actual year corresponding to the number displayed.

3 The initial setting of the calendar



Button

Press once. The numeral in the calendar frame will swing and stop (the numeral remains as "1").

- If the numeral is not set to "1", turn the crown clockwise or counterclockwise until "1" appears in the calendar frame, and place "1" in the middle of the frame by turning the crown slowly.

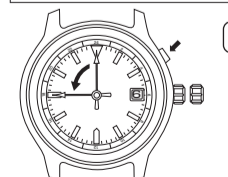
7 Completing the check and adjustment of the calendar



Crown

Push back in to the normal position. The watch will resume normal movement (the watch hands will show the current time again). The numeral in the calendar frame will return to the current date.

4 Current date



Button

Press once. The second hand will move back and stop at the 9 o'clock position. The numeral in the calendar frame will return to the current date.

- If the numeral in the calendar frame does not return to the current date, turn the crown clockwise or counterclockwise to set the numeral to the current date.
- If the crown is turned continuously, the numeral moves quickly. To stop the numeral, turn the crown in the reverse direction until it clicks once.

TO PRESERVE THE QUALITY OF YOUR WATCH

PRECAUTIONS ON WEARING YOUR WATCH

WARNING

- In case you tumble, fall or bump into others with the watch worn on your wrist, you may be injured by the reason of the fact that you wear the watch.
- When you make contact with children, especially with infants, they may get injured or develop a rash caused by allergy.
- Your watch may damage property or malfunction depending on your actions when wearing it. Special care should be taken.

CAUTION

- When clasping and unclasping the band, you may damage your nail, depending on the type of clasp used with the band.

CARE OF YOUR WATCH

CAUTION

- The case and bracelet touch the skin directly just as underwear. If they are left dirty, the edge of a sleeve may be stained with rust or those who have a delicate skin may have a rash.
- After removing the watch from your wrist, wipe perspiration or moisture with a soft cloth. This will prevent the watch from being soiled, thus allowing for prolongation of the life of the gasket.
- Your watch is extremely sensitive to chemicals, including benzine, thinner, alcohol, detergent and other organic solvents. Keep your watch away from chemicals and avoid their chemical reaction to your watch. If not, it may be deteriorated.
 - (Leather band) When removing moisture from a leather band, do not rub the band with the cloth as this may discolor it or reduce its gloss. Be sure to blot up the moisture using a soft dry cloth.
 - (Metal band) Clean the watch band with a soft toothbrush dipped in water or soapy water, and be sure to blot up the moisture using a soft dry cloth. If your watch is not water-resistant, be careful not to get the case wet when cleaning.
 - (Soft plastic band) If your watch has a soft plastic band such as urethane band, do not leave the watch under a fluorescent lamp or direct sunlight for a long time, or do not leave the band soiled. Otherwise, the band may be discolored, hardened or broken. Also, do not keep the watch in a place where it is exposed to high humidity, or do not leave the band wet with perspiration or water. Otherwise, the band may be discolored in a very short time. When the band is soiled, rinse it in soapy water. Do not use solvents for cleaning as some solvents may deteriorate the band. If your watch has a semitransparent urethane band, which is easily discolored, special care should be taken to keep it clean. Depending on the condition of use, the semitransparent band may be discolored after several months of use.

RASH AND ALLERGY

CAUTION

- Adjust the bracelet or band so that there will be a little clearance between the bracelet or band and your wrist to avoid accumulation of perspiration.
- If you are constitutionally predisposed to rash, the band may cause you to develop a rash or disorder depending on your physical condition.
- The possible causes of the rash are as follows:
 - Allergy to metals or leathers
 - Rust, dust or perspiration on the watch or band
- If you develop any skin reactions, take off the watch and consult a doctor immediately.

WATER RESISTANCE

Check the dial or case back of your watch for the water resistant quality, and then see the table below.

	Designed to withstand water usually experienced in daily living such as splashes and rain.	Designed to withstand swimming and kitchen work.	Skindiving without scuba.	Genuine diving using scuba or heliugas.	Button operation when the watch is wet.	Crown operation when the watch is wet.
"WATER RESISTANT" is not inscribed on the back of your watch case.	×	×	×	×	×	×
"WATER RESISTANT" is inscribed on the back of your watch case.	○	×	×	×	×	×
"WATER RESISTANT 5-10-15-20 ATM." on the back of your watch case.	5 BAR	○	○	×	○	×
	10-15-20 BAR	○	○	○	○	×

WARNING

- NEVER WEAR a 10-, 15-, or 20-bar water-resistant watch during saturated diving and air diving.
- NEVER WEAR a 5-bar water-resistant watch during any type of diving including skin diving.
- NEVER PUT a 3-bar water-resistant watch into water.

CAUTION

- After you use a 5-, 10-, 15-, or 20-bar water-resistant watch in a bathing place, remove salt, etc. as soon as possible. If not, the watch may be rusted. If you rinse the watch under running water, excessive water pressure applies to the watch, this causing a failure in its water resistance. Always rinse the watch in a pot or bowl and be careful not to apply excessive water pressure to the watch.
- If a leather band gets wet, its durability may be affected.

PLACES TO KEEP YOUR WATCH

When not in use, the watch may be damaged, deteriorated or broken in any of the following cases:

- If the watch is exposed to a temperature below -5°C or above +50°C for a long time, its performance may be impaired or it may stop operating.
- If the watch is exposed to direct sunlight, high temperature or low temperature for a long time, it may gain or lose in timekeeping.
- If the watch is exposed to magnetic leakage from TV sets, speakers, mobile phones, magnetic necklaces, etc., it may gain or lose in timekeeping.
- If the watch is exposed to strong vibration, it may be broken or gain or lose in timekeeping.
- If the watch is exposed to chemicals or chemical steam, it may deteriorate or be broken.
 - Examples of chemicals: Benzine, thinner, manicure, cosmetics spray solvents, cleaners, toilet solvents, adhesive agents, mercury, iodized disinfectants, insect repellents, etc.
- If the watch is exposed to hot spring water or other special environment or put in a box containing insect-killer, it may be deteriorated.
- It is recommended that the watch be put in a clean box or case and stored in a well-ventilated place.

PERIODIC CHECK

- We suggest that you have your watch checked every 2 or 3 years by the retailer from whom you purchased the watch. Depending on how the watch is used, the lubrication of the watch mechanism may become insufficient, parts may become worn due to impurities in the lubricating oil, or the watch may be running noticeably fast or late. Seals, etc., may also become worn and the watch may stop being waterproof. Take your watch to the retailer from whom you purchased it for inspection and adjustment through disassembly/cleaning.
- When replacing the parts such as battery, please specify "GENUINE PARTS".
- It is recommended that the gasket and the push-pin be also replaced with new ones.