

The CITIZEN



T53

T54

Introduction

Thank you very much for purchasing The Citizen.
For the safe usage of this product, be sure to read this instruction manual before use.

Safety precautions — IMPORTANT

This manual may contain certain safety advisories. Your watch should be used in accordance with these advisories at all times to ensure optimal enjoyment of your watch and to prevent injury to yourself, other persons and/or damage to property. Understand the meaning of the following symbols and read pages from 36 to 47.

- Safety advisories are categorized and depicted in this manual as follows:

 DANGER	Highly likely to cause death or serious injury
 WARNING	Can cause serious injury or death
 CAUTION	Can or will cause minor or moderate injury or damage

- Important instructions are categorized and depicted in this manual as follows:

	Warning (caution) symbol followed by instructions that should be followed or precautions that should be observed.
	Warning (caution) symbol followed by prohibited matters.

Before using this watch

Band adjustment

We recommend seeking the assistance of an experienced watch technician for sizing of your watch. If adjustment is not done correctly, the bracelet may unexpectedly become detached leading to loss of your watch or injury. Consult Citizen Owners' Help Desk.

Protective stickers

Be sure to remove any stickers covering the metal parts (back cover, band, clasp) or glass of the watch before use. Otherwise, perspiration or moisture may enter the gaps between the protective stickers and the parts, which may result in a skin rash and/or corrosion of the metal parts.

How to use a specially designed crown/push button

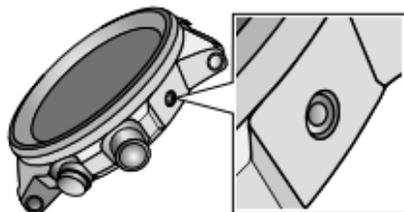
Some models are equipped with a specially designed crown and/or push button to prevent accidental operation.

Screw down crown and screw down push button

Unlock the crown prior to operate your watch.

	Unlock	Lock
Screw down crown	 <p>Rotate the crown counterclockwise until it releases from the case.</p>	 <p>Push the crown in to the case. With gentle pressure towards the case, rotate the crown clockwise to secure it to the case. Be sure to tighten firmly.</p>
Screw down push button	 <p>Rotate the locking screw counterclockwise, and loosen until it stops.</p>	 <p>Rotate the locking screw clockwise, and tighten firmly.</p>

Recessed buttons



Press the button with a narrow-tipped object such as a wooden toothpick.

- Metal objects may cause marring or scratching of the button.

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Features

Eco-drive

- Eco-drive is a unique technology of Citizen that uses light to generate power, thus eliminating the need for periodic battery replacement.

12 o'clock midnight sharp calendar update function

- The calendar updates as the clock strikes midnight (0:00:00).

Annual time accuracy: ± 5 seconds

- This high-precision watch realized an annual time difference of about ± 5 seconds max.

Time difference correction function

- When you travel overseas, you can easily adjust your watch to the local time without having to stop the watch.

Perpetual calendar

- No need for date correction at the end of each month.
The leap year is also updated automatically. (until February 28th, 2100)

JIS1 antimagnetic performance

- The functionality of the watch will be maintained even when the watch is brought as close as up to 5 cm of the devices that emit magnetic fields in daily life.

For details, see our website support information.

Shock detection function

- This function prevents the second, minute, and hour hands from becoming misaligned should the watch be subjected to shock.

Automatic hand position adjustment function

- The hand positions are checked at regular intervals. Any misalignment detected will be corrected immediately to keep accurate time.

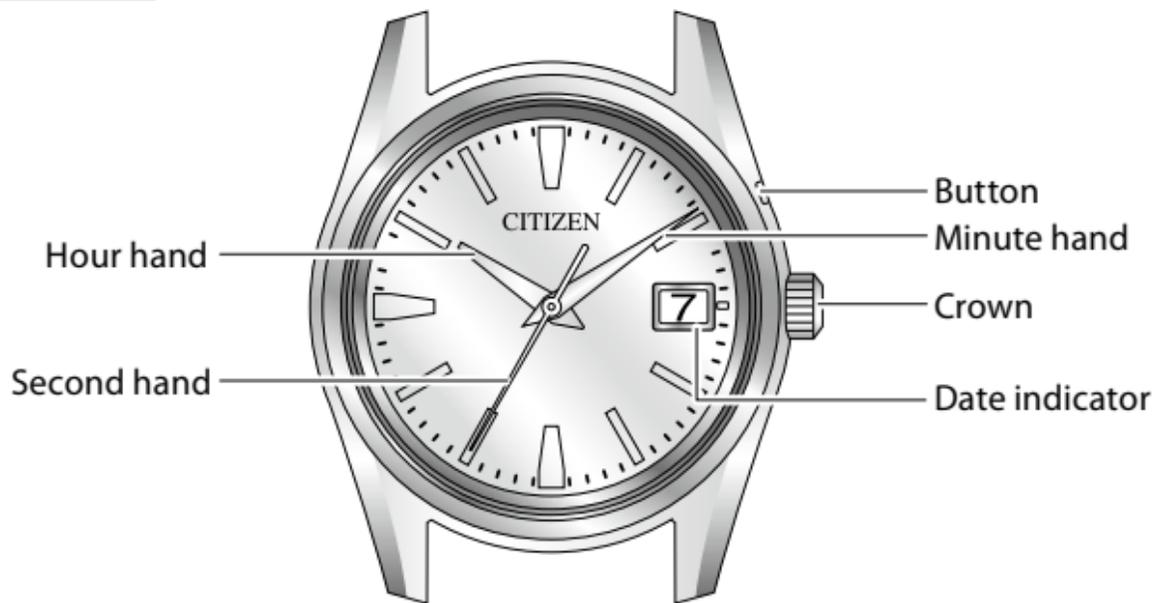
Power reserve indication function

- The hand shows the current charge level.

- **A010:** This watch is equipped with a hand to indicate the charge level. Use the hand to check the current charge level.
- **A060:** By pressing the button, the second hand indicates the current charge level.

Component identification

◆A060



◆ A010



* The illustrations may differ from the actual watch you have purchased.

Recharging your watch

This watch has a rechargeable cell which is charged by exposing the dial to light such as direct sunlight or fluorescent lamps.

◆A060

How to check the power reserve indicator (For a 3-hand model)

Pressing the button shows the current charge level as illustrated below.

Charge level	Level 3	Level 2	Level 1	Level 0
Second hand position when pressing the button				
Estimated remaining time to stop	Approx. 210 to 160 days	Approx. 160 to 100 days	Approx. 100 to 3 days	Approx. 3 days
Remark	The watch is fully charged. Use the watch without worrying about the charge level.	The charge level is good. Use the watch without worrying about the charge level.	The charge level is not sufficient.	The charge level is insufficient.(see page 16)
				The watch must be charged immediately.

◆ A010

How to check the power reserve indicator (For a model with a power reserve indicator)

The hand position of the power reserve indicator shows the power reserve amount, as illustrated below.

Charge level	Level 3	Level 2	Level 1	Level 0
Power reserve indicator position				
Estimated remaining time to stop	Approx. 210 to 160 days	Approx. 160 to 100 days	Approx. 100 to 3 days	Approx. 3 days
Remark	The watch is fully charged. Use the watch without worrying about the charge level.	The charge level is good. Use the watch without worrying about the charge level.	The charge level is not sufficient.	The charge level is insufficient. (see page 16)
				The watch must be charged immediately.

Charging time by environment

Below are the approximate times needed for charging when exposing the watch dial to light continuously. Please use this table as a reference only.

Environment	Illuminance (lx)	Charging time (approx.)		
		To work for one day	To start working normally when the cell is discharged	To become fully charged when the cell is discharged
Outdoors (sunny)	100,000	4 minutes	1.5 hours	30 hours
Outdoors (cloudy)	10,000	12 minutes	2 hours	40 hours
20 cm (7-7/8 inches) away from a fluorescent lamp (30W)	3,000	40 minutes	3.5 hours	150 hours
Interior lighting	500	4 hours	19 hours	-

- When the battery is fully charged, the **overcharge protection function** stops the charging so that the watch performance and rechargeable cell are not adversely affected by overcharge.

Your watch will run for approximately 7 months from a full charge or up to 1.5 years with the power save feature engaged (based on a full charge).

After the second hand starts moving once every two seconds, it will last for approximately 3 days.

■ For optimal performance

For optimal performance, make sure to observe the following precautions:

- Place the watch under direct sunlight and charge it for 5 to 6 hours at least once a month.
- After taking off the watch, place it in a well-lighted place or by the window where sunlight shines in.
- Avoid leaving the watch in a dark place for long periods of time.

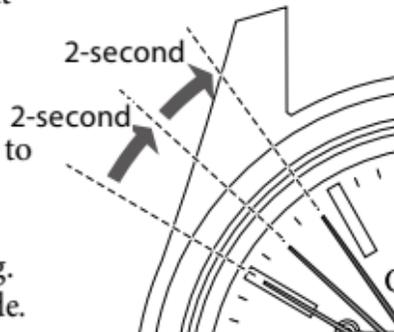
If the watch is hidden under clothes and not exposed to light, it cannot be charged sufficiently.

Do not charge the watch at a high temperature (about 60°C or higher).

■ When the watch reaches a low charge state (insufficient charge warning function)

When the watch reaches a low charge state, the insufficient charge warning function kicks in, and the second hand begins to move in two-second increments (two-second mode). Charge the watch by exposing its dial to light.

- After some time of charging, the second hand will begin to move in one-second increments (normal mode).
- If the watch is left in two-second mode for three days or longer, the watch will run out of power and stop working.
- The time and date are indicated even during two-second mode.



- Make sure that the watch is charged and moving in one-second increments (normal mode) before setting or adjusting the watch.
- **While the insufficient charge warning function is active, the compensation mechanism to ensure timekeeping accuracy remains disabled. Promptly charge the watch.**

■ Power save feature

If you store the watch inside the case or other dark places where no light can reach the dial of the watch for a long period of time, the watch will automatically stop at the 12 o'clock position to save battery power. In the meantime, the time is kept internally, whereas the date and power reserve indicators continue to work normally.

- The power save feature does not work while the crown is at Position or Position .
- The power save feature cannot be activated manually.

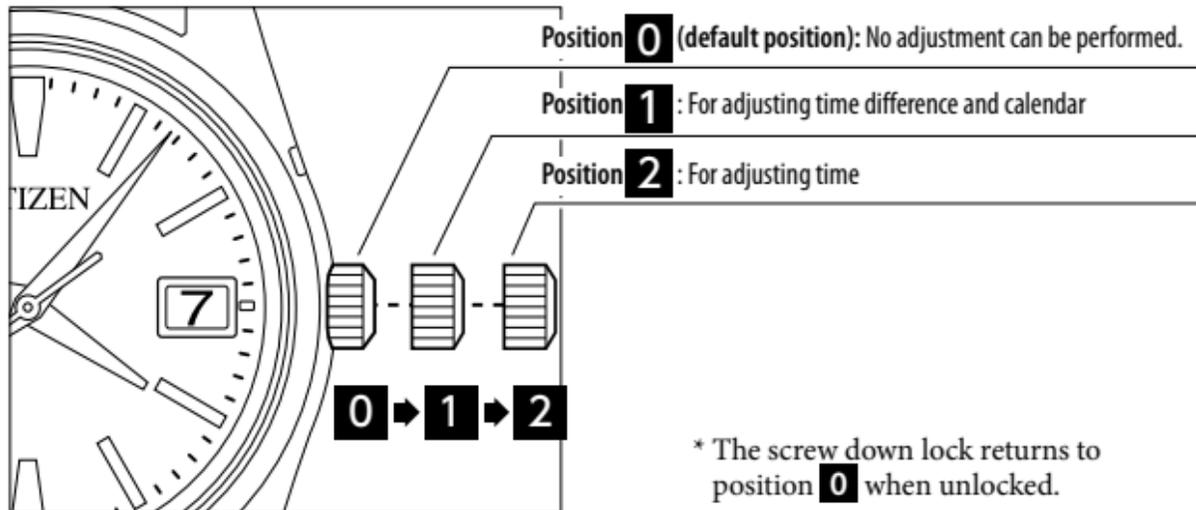
■ To cancel the power save feature

Once the dial of the watch is exposed to light and the battery begins to charge, power save mode will be cancelled, and the hands will move to point to the current time. Do not pull the crown out while the power save mode is being cancelled and the hour, minute, and second hands are moving to point to the current time.

Pulling the crown out causes the hands to stop moving at that moment, preventing them from pointing correctly to the current time.

Crown position and operation

Pull the crown out to make necessary adjustments, as illustrated below.



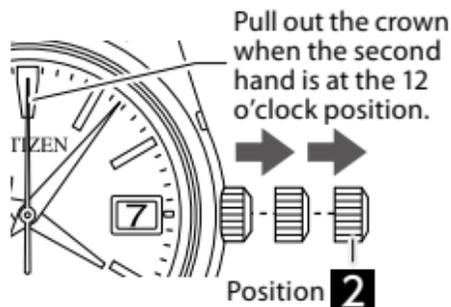
Adjusting the time

Adjust the time with the crown set in Position **2**.

* If the second hand is moving in two-second increments (insufficient charge warning), charge the watch first (see page16).

1. With the second hand at the 12 o'clock position, pull the crown out to Position **2**.

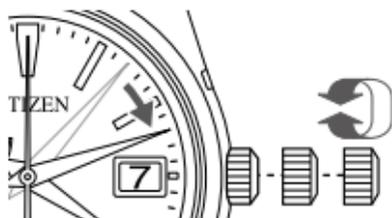
- The second hand stops as the crown is pulled out.



Continue to the next page ➔

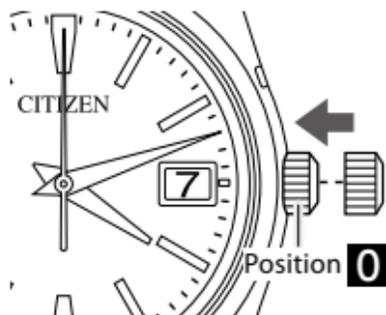
2. Rotate the crown to set the time.

- For more accurate adjustment, first put the minute hand forward by four to five minutes and then return it to the correct time.
- Accurately align the minute hand with the minute marker.
- The calendar will also be updated automatically.
- If the date changes as the minute hand is rolled forward to the 12 o'clock position, it means that the time is 12:00 a.m.. Make sure to set AM and PM correctly.
- Do not adjust time from 23:00 to 01:00. If you do, the date may not be updated properly.



3. Return the crown to Position 0 to complete the setting.

- Use the time signal, etc. to push the crown into Position 0 at the right timing.
(In case of a screw down crown, lock the crown. See page 5.)

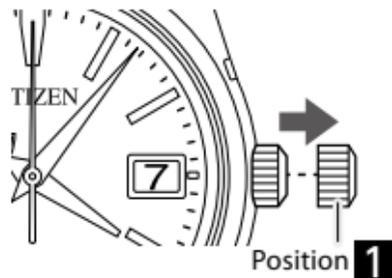


Adjusting the calendar

Adjust the calendar (date/month/year) with the crown set in Position .

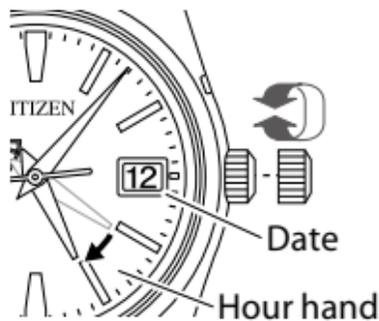
* If the second hand is moving in two-second increments (insufficient charge warning), charge the watch first (see page 16).

1. Pull the crown out to Position 1.



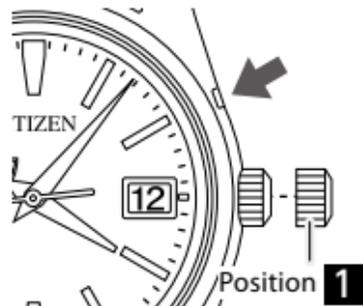
2. Rotate the crown to set the date.

- As you rotate the crown, the hour hand moves in one-hour increments.
- The hour hand is synchronized with the date. As the hour hand is moved past to the 12 o'clock midnight position, the date will be updated as well.
- Adjust the hour hand and date to the current date and time. Make sure to set AM and PM correctly.
- Rotate the crown until the hour hand is fully forwarded by an hour. **Forwarding the hour hand only half-way may cause incorrect motion.**



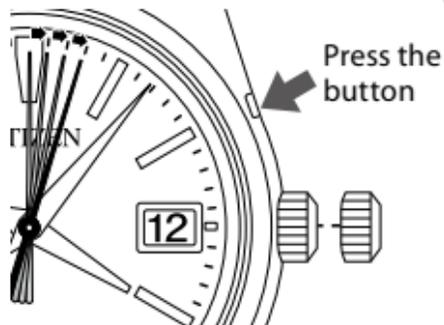
3. Hold down the button for two seconds.

- The second hand moves to show the current month and year. For details on how to read the month and year, see page 24.

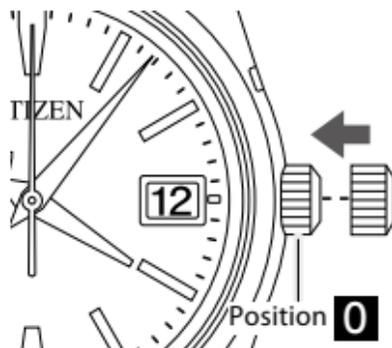


3. Press the button to adjust the month and year.

- The second hand moves forward in one-minute marker increments with every pressing of the button.
- The second hand moves to show the current month and year. The year, in this case, corresponds to the number of years since leap year. For details on how to read the month and year, see page 24.



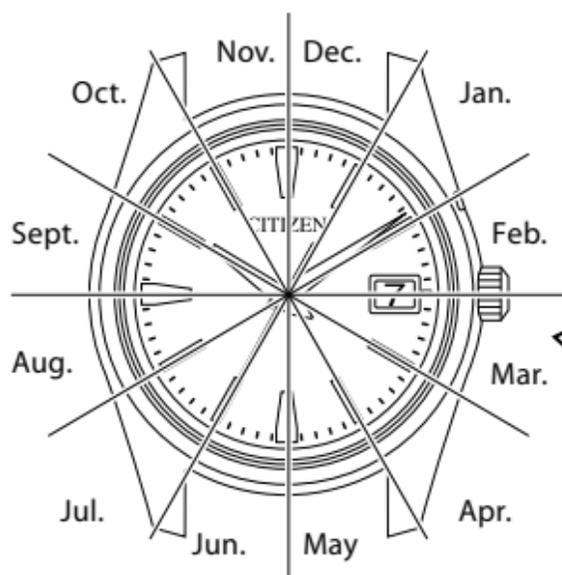
- 4. Return the crown to Position to complete the setting.**
(In case of a screw down crown, lock the crown. See page 5.)



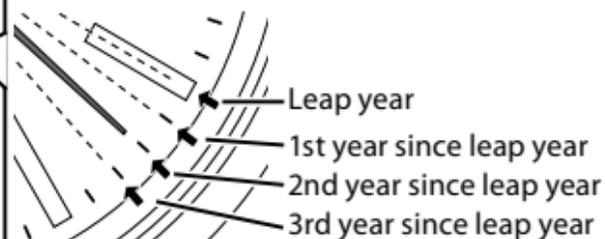
Month and leap year indications

When the time and date are corrected manually, the elapsed years from the most recent leap year and the month are indicated at the position of the second hand.

- The position of the second hand shows the month.
- The first three minute marks after the hour mark denote the number of years since a leap year.



Example: April in the 2nd year since the leap year



Quick reference chart for number of years passed since leap year

Indication of the second hand	Passed year	Year
Hour marker	Leap year	2020, 2024, 2028
1st min. marker	1st year	2021, 2025, 2029
2nd min. marker	2nd year	2018, 2022, 2026
3rd min. marker	3rd year	2019, 2023, 2027

Example:

The figure shows August in the 3rd year since the recent leap year.



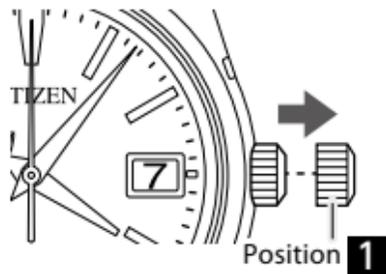
The figure shows April in the leap year.

Adjusting the time difference

When you travel overseas, you can easily adjust your watch to the local time without having to stop the watch. The adjustment can be made in one-hour increments/decrements.

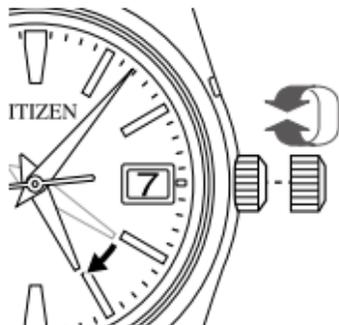
* If the second hand is moving in two-second increments (insufficient charge warning), charge the watch first (see page 16).

1. Pull the crown out to Position 1.



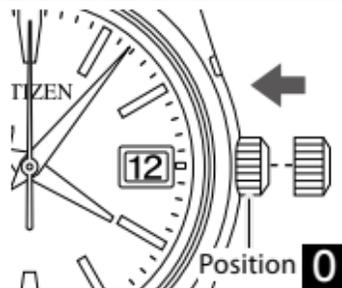
2. Rotate the crown to correct the time difference.

- Rotate the crown to the right (clockwise) to move the hour hand in one-hour increments, or to the left (counterclockwise) to move the hour hand in one-hour decrements.
- The hour hand is synchronized with the date. As the hour hand is moved forward to the 12 o'clock midnight position, the date will be updated as well.
- Adjust the hour hand to the local time. Make sure to set AM and PM correctly.
- Rotate the crown until the hour hand is fully forwarded by an hour. **Forwarding the hour hand only half-way may cause incorrect motion.**



3. Return the crown to Position to complete the setting. (In case of a screw down crown, lock the crown. See page 5.)

- To reset to the original time, rotate the hour hand in a direction opposite to the direction in which it was moved to correct the time difference.

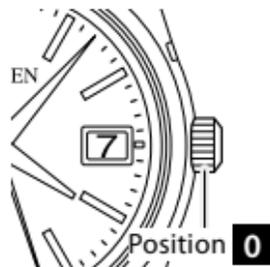


Checking the reference position

If any of the hands are not aligned at the 12 o'clock position, or if the date indication is misaligned, check the reference position.

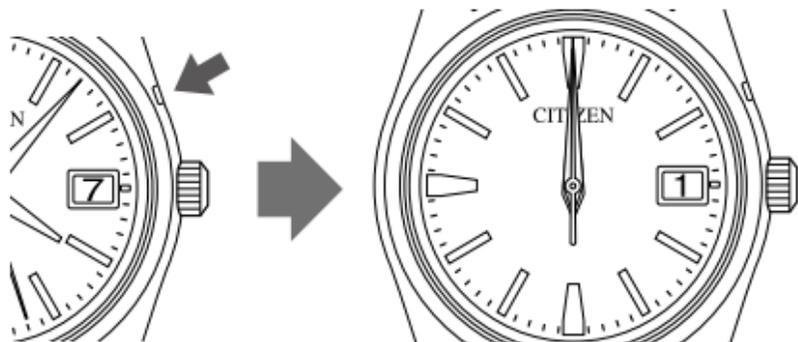
* If the second hand is moving in two-second increments (insufficient charge warning), charge the watch first (see page 16).

1. Set the crown to Position 0.



2. Hold down the button (for approximately 5 seconds) until the all hands begins to move.

- All hands as well as the date indication moves to the reference position.
- Do not pull the crown out while checking the reference position. Doing so will result in misalignment in the current time indication.



While holding down the button with a narrow-tipped object, keep your eyes on the tip of the object.

3. Check if all hands and date are at the reference position.

Reference position	Hour, minute, and second hands: 12 o'clock position
	Date: 1
	Power reserve indication: Level 3

- If any of the hands or the date indication is off the reference position, a repair is needed.
- If the minute hand is slightly off the 12 o'clock position, it is possible that the second and minute hands have become slightly misaligned during the process of adjusting the time. Readjust the time and make sure that both hands are aligned correctly with the minute marker.

4. Press the button to resume the current time indication. Adjust the time and calendar (see page 19).

- Even if you do not press the button, the current time indication will resume automatically in two minutes.

Performing the “all reset” procedure

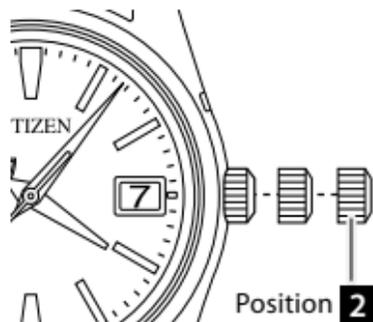
If the watch does not work stably, you can perform the “all reset” procedure.

- * If you perform all reset, all information will be deleted. Do not perform all reset unless absolutely necessary.
- * Make sure to charge the watch before performing all reset (see page 14).

If you perform all reset, the watch setting is updated as follows:

- Calendar: January 1 (leap year)
- Time: AM time indicated by the hour, minute, and second hands

1. Pull the crown out to Position **2**.



2. Hold down the button for 10 seconds, then release it.

- ◆ **A060** • The date indicator will move to indicate "1", and the watch is reset.



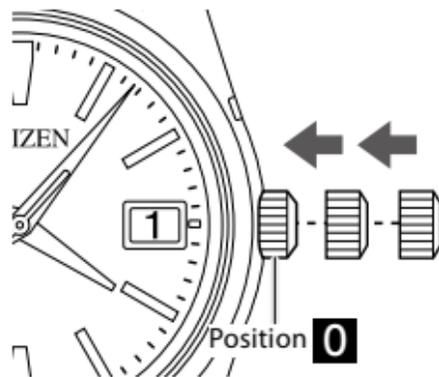
- ◆ **A010** • The power reserve indicator will move to indicate the fully charged status, and the date indicator will move to indicate "1". Subsequently, the power reserve indicator will show the current charge level, and the watch is reset.



⚠ While holding down the button with a narrow-tipped object, keep your eyes on the tip of the object.

3. Return the crown to Position 0.

- The watch will start to move normally.



4. Adjust the time and calendar (see page 19,21).

- After the reset procedure, the watch resets itself to the AM time of January 1 (leap year). Make sure to check the calendar and time and adjust them to the correct date and time.

Handling the Watch

The hands do not work properly.

Symptoms	Remedies	Page
The second hand moves in two-second increments.	Charge the watch.	16, 17
All hands stop moving.	Set the crown to Position 0 .	–
	Charge your watch by exposing it to direct sunlight until the second hand begins to move in one-second increments.	16
The hands start turning rapidly as you take the watch out of the case.	The power save mode has been cancelled. Wait until the hands point to the current time.	17

The time and/or date is not correct.

Symptoms	Remedies	Page
The time and/or date is wrong.	Check the reference position.	18 - 30
	Adjust the date and time.	19 - 23
The date changes at around 12:00 p.m.	Adjust the time by 12 hours.	19 - 20

Others

Symptoms	Remedies	Page
The watch stops working immediately after it has been fully charged.	Charge the watch by exposing it to direct sunlight for five to six hours. If the problem still persists, contact the shop where you made the purchase, or your nearest Authorized Citizen Service Center listed in your warranty booklet.	16

Timekeeping accuracy

This watch has 5-second accuracy per year.

To maintain 5-second accuracy per year

To maintain this timekeeping accuracy, you must use the watch at ambient temperature (between +5°C and +40°C) and carry it with you approximately 12 hours a day.

Please bear in mind that, if the watch is used under any other conditions, the accuracy may be compromised.

While the insufficient charge warning function is active, the compensation mechanism to ensure timekeeping accuracy remains disabled. Keep the watch charged at all times.

Accuracy per month

Accuracy per month does not necessarily correspond to $5 \text{ second} \times 1/12$. Depending on the usage environment (temperature change (seasonal change), the duration for which it is carried, etc.), the accuracy may turn out to be 2 seconds per month.

Eco-Drive watch handling precautions

<Always Make Sure to Recharge Frequently>

- For optimal performance, your watch should remain fully charged.
- Long sleeves may inhibit light transmission to your watch. This may result in your watch losing charge. In these cases supplemental charging may be necessary.
- When you take off the watch, place it in a bright location to ensure optimal performance.

⚠ CAUTION Recharging Precautions

- Do not charge the watch at a high temperature (about 60 °C /140 °F or higher) as doing so may cause the movement to malfunction.

Examples:

- Charging the watch too close to a light source which generates a large amount of heat such as an incandescent lamp or halogen lamp.
 - * When charging under an incandescent lamp, be sure to leave 50 cm (20 inches) or more between the lamp and the watch to avoid exposing the watch to excessive heat.
- Charging the watch in a location where the temperature may become extremely high such as on the dashboard of a vehicle.



<Replacement of Rechargeable Cell>

- This watch utilizes a special rechargeable cell that does not require periodical replacement. However power consumption may increase after using the watch for a number of years due to wear of internal components and deterioration of oils. This may cause stored power to be depleted at a faster rate.

WARNING Handling of Rechargeable Cell

- The rechargeable cell should never be removed from the watch.
If for any reason it becomes necessary to remove the rechargeable cell from the watch, keep out of the reach of children to prevent accidental swallowing.
If the rechargeable cell is accidentally swallowed, consult a doctor immediately.
- Do not dispose of the rechargeable cell with ordinary garbage. Please follow the instructions of your municipality regarding collection of batteries to prevent the risk of fire or environmental contamination.

 **WARNING Use Only the Specified Battery**

- Never use a battery other than the rechargeable cell specified for use in this watch. Although the watch structure is designed so that it will not operate when another type of battery is installed, if a conventional watch battery or other type of battery is installed in the watch and the watch is recharged, there is the risk of overcharging which may cause the battery to rupture.
This can cause damage to the watch and injury to the wearer.
When replacing the rechargeable cell, always make sure to use the designated rechargeable cell.

Water resistance

WARNING Water Resistance

- Refer to the watch dial and/or the case back for the indication of the water resistance of your watch. The following chart provides examples of use for reference to ensure that your watch is used properly. (The unit “1bar” is roughly equal to 1 atmosphere.)
- WATER RESIST(ANT) ××bar may also be indicated as W.R.××bar.
- Non-water resistant models are not designed to come into contact with any moisture. Take care not to expose a watch with this rating to any type of moisture.
- Water resistance for daily use (to 3 atmospheres) means the watch is water resistant for occasional accidental splashing.

Name	Indication	Specification
	Dial or Case back	
Non-water resistant	—	Non-water resistant
Everyday-use water resistant watch	WATER RESIST	Water-resistant to 3 atmospheres
Upgraded everyday use water-resistant watch	W. R. 5 bar	Water-resistant to 5 atmospheres
	W. R. 10/20 bar	Water-resistant to 10 or 20 atmospheres

- Upgraded water-resistance for daily use (to 5 atmospheres) means that the watch may be worn while swimming, but is not to worn while skin diving.
- Upgraded water-resistance for daily use (to 10/20 atmospheres) means that the watch may be worn while skin diving, but not while scuba or saturated diving using helium gas.

Water-related use				
				
Minor exposure to water (washing face, rain, etc.)	Swimming and general washing work	Skin diving, marine sports	Scuba diving using an air tank	Operate the crown or button when the watch is wet
NO	NO	NO	NO	NO
OK	NO	NO	NO	NO
OK	OK	NO	NO	NO
OK	OK	OK	NO	NO

Precautionary items and usage limitations

CAUTION To Avoid Injury

- Be particularly careful when wearing your watch while holding a small child, to avoid injury.
- Be particularly careful when engaged in strenuous exercise or work, to avoid injury to yourself and others.
- Do not wear your watch while in a sauna or other location where your watch may become excessively hot, since there is the risk of burns.
- Be careful when putting on and taking off your watch, since there is a risk of damaging your fingernails, depending on the manner in which the band is fastened.
- Take off your watch before going to bed.

CAUTION Precautions

- Always use the watch with the crown pushed in (normal position). If the crown is of the screw lock-type, make sure it is securely locked.
- Do not operate the crown or any push buttons when the watch is wet. Water may enter the watch causing damage to vital components.
- If water enters the watch or the watch fogs up and does not clear up even after a long time, consult your dealer or customer support center for inspection and/or repair.
- Even if your watch has a high level of water resistance, please be careful of the following.

- If your watch is immersed in sea water, rinse thoroughly with fresh water and wipe with a dry cloth.
- Do not pour water from a tap directly onto your watch.
- Take off your watch before taking a bath.
- If seawater enters the watch, place the watch in a box or plastic bag and immediately take it in for repair. Otherwise, pressure inside the watch will increase, and parts (crystal, crown, push button, etc.) may come off.

CAUTION When Wearing Your Watch

<Band>

- Leather bands and rubber (urethane) bands will deteriorate over time due to perspiration dirt. Because of the natural materials, leather band will be worn, deformed, and discolored over time. It is recommended to replace the band periodically.
- The durability of a leather band may be affected when wet (fading, peeling of adhesive), owing to the properties of the material. Moreover, wet leather may cause a rash.
- Do not stain a leather band with substances containing volatile materials, bleach, alcohol (including cosmetics). Discoloration and premature aging may be occurred. Ultraviolet light such as direct sunlight may cause discoloration or deformation.
- It is recommended to take off the watch if it gets wet, even if the watch itself is water-resistant.
- Do not wear the band too tightly. Try to leave enough space between the band and your skin to allow adequate ventilation.

Precautionary items and usage limitations

- The rubber (urethane) band may be stained by dyes or soil present in or on clothing or other accessories. Since these stains may not be removable, caution is required when wearing your watch with items that tend to easily transfer color (articles of clothing, purses, etc.). In addition, the band may be deteriorated by solvents or moisture in the air. Replace with a new one when it has lost elasticity or become cracked.
- Please request adjustment or repair of the band in the following cases:
 - You notice an abnormality with the band due to corrosion.
 - The pin of the band is protruding.
- We recommend seeking the assistance of an experienced watch technician for sizing of your watch. If adjustment is not done correctly, the bracelet may unexpectedly become detached leading to loss of your watch or injury.
Consult Citizen Owners' Help Desk.

<Temperature>

- The watch may stop or the function of the watch may be impaired in extremely high or low temperature. Do not use the watch in places where the temperature is outside the operating temperature range as stated in the specifications.

<Magnetism>

- Analog quartz watches are powered by a step motor that uses a magnet. Subjecting the watch to strong magnetism from the outside can cause the motor to operate improperly and prevent the watch from keeping time accurately.
Do not allow the watch to come into close proximity to magnetic health devices (magnetic

necklaces, magnetic elastic bands, etc.) or the magnets used in the latches of refrigerator doors, clasps used in handbags, the speaker of a cell phone, electromagnetic cooking devices and so on.

<Strong Shock>

- Avoid dropping the watch or subjecting it to other strong impact. It may cause malfunctions and/or performance deterioration as well as damage to the case and bracelet.

<Static Electricity>

- The integrated circuits (IC) used in quartz watches are sensitive to static electricity. Please note that the watch may not indicate the correct time if exposed to intense static electricity.

<Chemicals, Corrosive Gasses and Mercury>

- If paint thinner, benzene or other solvents or products containing these solvents (including gasoline, nail-polish remover, cresol, bathroom cleaners and adhesives, water repellent, etc.) are allowed to come into contact with the watch, they may discolor, dissolve or crack the materials. Be careful when handling these chemicals. Contact with mercury such as that used in thermometers may also cause discoloration of the band and case.

<Protective Stickers>

- Be sure to remove any protective stickers that may be on your watch (case back, band, clasp, etc.). Otherwise, perspiration or moisture may enter the gaps between the protective stickers and the parts, which may result in a skin rash and/or corrosion of the metal parts.

CAUTION Always Keep Your Watch Clean

- Rotate the crown while it is pressed in fully and press the buttons periodically so they do not become stuck due to accumulations of foreign matter.
- The case and band of the watch come into direct contact with the skin . Corrosion of the metal or accumulated foreign matter may result in black residue coming from the bracelet when exposed to moisture or perspiration. Be sure to keep your watch clean at all times.
- Be sure to periodically clean the bracelet and case of your watch to remove accumulated dirt and foreign matter. In rare circumstances, accumulated dirt, foreign matter may cause irritation with the skin. If you notice this, discontinue wearing the watch and consult your physician.
- Be sure to periodically clean foreign matter and accumulated materials from the metal band, synthetic rubber strap (polyurethane) and/or metal case using a soft brush and mild soap. Be careful not to allow moisture on the case if your watch is not water resistant.
- Leather bands may become discolored by perspiration or dirt. Always keep your leather band clean by wiping with a dry cloth.

Caring for Your Watch

- Wipe any dirt or moisture such as perspiration from the case and crystal with a soft cloth.
- For metallic, plastic or synthetic rubber (polyurethane) band, clean it with soap and a soft toothbrush. Be sure to thoroughly rinse the band after cleaning to remove any soap residue.
- For a leather band, wipe off dirt using a dry cloth.
- If you will not be using your watch for an extended period of time, carefully wipe off any perspiration, dirt or moisture and store in a proper location, avoiding locations subject to excessively high or low temperatures and high humidity.

<When Luminous Paint is used for your watch>

The paint on the dial and hands helps you with reading the time in a dark place. The luminous paint stores light (daylight or artificial light) and glows in a dark place. It is free from any radioactive substance or any other material harmful to a human body or environment.

- The light emission will appear bright at first and then diminish as time passes.
- The duration of the light (“glow”) will vary depending on the brightness, types of and distance from a light source, exposure time, and the amount of the paint.
- The paint may not glow and/or may dissipate quickly if exposure to light was not sufficient.

Specifications

Model	A010/ A060	Type	Analog solar-powered watch
Timekeeping accuracy	Within ± 5 seconds per year when worn at normal operation temperatures (between $+5^{\circ}\text{C}$ / 41°F and $+40^{\circ}\text{C}$ / 104°F)		
Operating temperature range	-10°C / 14°F to $+60^{\circ}\text{C}$ / 140°F		
Display functions	Time: Hours, minutes, seconds / Calendar: date / Charge level		
Continuous operation times	<ul style="list-style-type: none">• Fully charged to fully discharged: Approximately 1.5 years (with power save feature) Approximately 7 months (at normal operation)• Power reserve upon insufficient charge warning function: Approximately 3 days		
Battery	Rechargeable cell (lithium button cell), 1pc.		

Additional functions	<ul style="list-style-type: none">• Solar power function• Power reserve indication• Overcharging prevention function• Insufficient charge warning function (2-second interval movement)• Energy saving function (power save feature)• Perpetual calendar (until February 28th, 2100)• JIS1 antimagnetic performance• Shock detection function• Automatic hand position adjustment function• Time difference correction function• 12 o'clock midnight sharp calendar update function
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* They are subject to change without notice for improvement.

取扱説明書

INSTRUCTION MANUAL