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Citizen Brycen Eco-Drive Chronograph Watch CA0780-52E Instruction Manual

Model: CA0780-52E | Brand: CITIZEN

1. OVERVIEW

This manual provides essential information for the proper use and care of your Citizen Brycen Eco-Drive Chronograph Stainless Steel Watch, Model CA0780-52E. This timepiece features Citizen's innovative Eco-Drive technology, which powers the watch using any light source, eliminating the need for battery replacement. It also includes chronograph functions, 12/24 hour time display, date, and a tachymeter, all protected by a spherical mineral crystal and rated for 100 meters of water resistance.



Figure 1: Front view of the Citizen Brycen Eco-Drive Chronograph Watch.

2. SETUP

2.1 Initial Charging

Your Eco-Drive watch is powered by light. For optimal performance, ensure the watch receives sufficient light exposure. Upon first use or after prolonged storage in darkness, expose the watch face to bright light (natural or artificial) for several hours to achieve a full charge. The watch may take longer to charge under artificial light.

2.2 Setting Time and Date

1. Pull the crown out to the second click position. The second hand will move to the 0-second position.
2. Rotate the crown to set the hour and minute hands. Ensure the 12/24 hour hand is also correctly set.
3. Push the crown back to the first click position.
4. Rotate the crown to set the date.
5. Push the crown back to the normal position.

2.3 Bracelet Adjustment

The stainless steel bracelet can be adjusted for a comfortable fit. It is recommended to have a professional jeweler adjust the bracelet to avoid damage to the watch or injury.



Figure 2: Side view showing the crown and pushers for setting functions.

3. OPERATING INSTRUCTIONS

3.1 Eco-Drive Technology

The Eco-Drive system converts light into electrical energy, which is stored in a power cell. This power cell drives the watch movement, ensuring continuous operation without the need for battery replacement. A fully charged watch can operate for an extended period in darkness.

Video 1: This video explains the fundamental principles of Citizen's Eco-Drive technology, demonstrating how light is converted into energy to power the watch.

Video 2: This video demonstrates the Eco-Drive watch's continuous operation without the need for battery replacement, emphasizing its light-powered functionality.

3.2 Using the Chronograph

The chronograph function allows for precise timing of events up to 60 minutes in 1/5 second increments.

- **Start/Stop:** Press the upper pusher (A) to start and stop the chronograph.
- **Reset:** While the chronograph is stopped, press the lower pusher (B) to reset all chronograph hands to zero.

3.3 Using the Tachymeter

The tachymeter scale on the bezel can be used to measure speed over a known distance (e.g., 1 kilometer or 1 mile). Start the chronograph when passing a starting point and stop it when passing the end point. The number on the tachymeter scale indicated by the chronograph second hand is the average speed per hour.

3.4 12/24 Hour Time Display

The watch features a sub-dial that displays time in a 24-hour format, useful for distinguishing between AM and PM hours, especially when setting the date.

4. MAINTENANCE

4.1 Cleaning

Regularly wipe the watch case and bracelet with a soft, dry cloth to remove dirt and moisture. For stainless steel, a slightly damp cloth can be used, followed by drying. Avoid using harsh chemicals or abrasive materials.

4.2 Water Resistance

This watch is water resistant to 100 meters (10 ATM). This rating makes it suitable for swimming and snorkeling. However, it is not recommended for scuba diving. Avoid operating the crown or pushers while the watch is wet or submerged. Do not expose the watch to hot water, as this can compromise the water resistance seals.

4.3 Charging Recommendations

To maintain optimal charge, expose your watch to light regularly. If stored in darkness for extended periods, the watch may stop. A full charge can last for several months even in complete darkness, but periodic light exposure is beneficial.



Figure 3: Back view of the watch, showing the case back.

5. TROUBLESHOOTING

5.1 Watch Not Running

If the watch stops running, it may be due to insufficient charge. Expose the watch to bright light for several hours. If the watch still does not operate, consult the full instruction manual or contact Citizen customer service.

5.2 Incorrect Time/Date

If the time or date is incorrect, refer to section 2.2 "Setting Time and Date" for adjustment instructions. Ensure the crown is fully pushed in after setting to prevent water intrusion.

6. SPECIFICATIONS

Model Number	CA0780-52E
Movement Type	Eco-Drive (Solar Powered)
Case Material	Stainless Steel
Band Material	Stainless Steel
Crystal	Spherical Mineral Crystal
Water Resistance Depth	100 Meters (10 ATM)
Case Diameter	44 Millimeters
Case Thickness	11 Millimeters
Band Width	22 Millimeters
Additional Features	Chronograph, 12/24 Hour Time, Date, Tachymeter

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Your Citizen Brycen Eco-Drive Chronograph Watch is covered by a 5-Year Limited Warranty. This warranty covers manufacturing defects under normal use. Please refer to the warranty card included with your purchase for full terms and conditions.

7.2 Customer Support

For further assistance, detailed manuals, or service inquiries, please visit the official Citizen Watch Company website or contact their customer service department. Keep your proof of purchase and model number (CA0780-52E) readily available for support.



Figure 4: The Citizen watch box, as received.



Figure 5: The Citizen watch box, open, revealing the watch cushion.

Video 3: An overview video showcasing the Citizen Eco-Drive watch, highlighting its design and key features.