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USER'S MANUAL FOR ALL TYPES OF MECHANICAL WATCHES

In the unlikely event you should discover a mechanical problem with your watch, it is repairable. However, you should not open the watch or attempt to repair it yourself, as it will void your warranty. The watch back cover should be opened, and any repair work carried out, only by an authorized watchmaker. The watch is a complex technical device that requires careful handling only by qualified technicians. It will work trouble-free and keep highly accurate time if you do the following:

- wear the watch a minimum of 10 hours a day to maintain automatic winding by the movement of your wrist;

- protect the watch from drops and sudden, sharp shocks; avoid exposing the watch to strong magnetic fields and chemical agents;

- have an authorized watch service technician clean, lubricate adjust and re-certify the water-impermeable seal, or “water-resistance”, of the watch not less than once every two years after warranty is expired;

We recommend that you:

- **do not** open the case or remove its back cover so as to protect your watch from unqualified service and from dirt and dust getting into the watch movement;

- **do not** expose the watch to extreme temperatures since that can weaken the crystal;

- avoid exposure to magnetic fields with an

Intensity more than 4800 A/M.

If these simple suggestions are followed, your watch should operate properly for a minimum of 10 years.

Watches with automatic winding

Mechanical watches with automatic winding of the mainspring do not require manual winding of the crown.

The motion of your wrist turns an internal rotor (oscillating weight) that winds the mainspring of the watch automatically. Daily routine is enough for automatic winding of the watch and it will run overnight if removed for sleeping. You can view the auto rotating oscillating weight in automatic watches with glass back cover.

The level of water resistance of your watch is directly related to the security of the screw-in back cover, which is factory sealed:

- «Water resistant 5 ATM» you can water your garden and wash your car with water coming out of a hose.
- «Water resistant 10 ATM» you can swim and dive (but not from a tower) and swim under water but not scuba dive.
- «Water resistant 20 ATM» or «Water resistant 30 ATM» you can swim under water with scuba equipment.

Water resistant watches of 5 or more atmospheres are, as a rule, equipped with screw-in watch crowns. To settle hands, wind up the watch or change the calendar setting you should unscrew the crown.

Do not manipulate the watch crown underwater and even in conditions of high level of humidity.

Recommendation: please have the water resistance of your watch tested once every two years at your service-centre.

III WATCHES WITH 2432 MOVEMENT

(Produced by Vostok factory, Russia)

Technical Specifications

- Caliber of the movement – 24 mm.
- Movement height – 6,3 mm.
- Day & night indicator disc and / or 24-hours disc.
- 32 Ruby jewels.
- Sweep-type second hand Shock-resistance device of a balance staff.
- Calendar – single, instantaneous function.
- Correction of date-of-the-month by setting with hand rotation.
- Balance period – 0,33 s.
- Mean daily rate from –10 to + 30 seconds/day.
- Autonomy at least 31 hours.

User's Manual

1. If required, the watch can be wound by rotation of the watch crown clockwise from the initial fixed position about 25-30 turns. If your watch has a screwed-in crown, it should be unscrewed (Pic. 1) before winding the watch. Do not forget to screw the crown back after the winding.

2. The hands are set the following way: the watch crown should be pulled out from the case to the remotest/outermost fixed position (Pic. 1) and then rotated clockwise to set the right time. Then the watch crown should be returned to the initial position (and screwed back in place if the watch has a screwed-in crown).

3. To change the date you should put the watch crown in the remotest/outermost fixed position and rotate the crown clockwise till the date changes.

Pic. 1



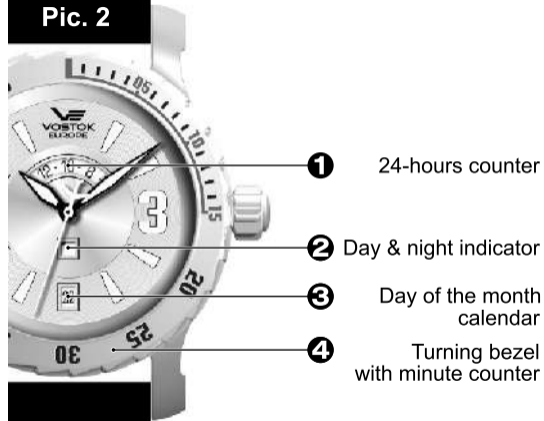
If it is necessary to change the date-of-the month for more than one day, please rotate the crown clockwise till the date changes, then the hands should be moved counter-clockwise back to the "8 o'clock" and then again clockwise to the "12 o'clock" position.

The date-of-the month shifts one day per each cycle of moving hands within the range "12-8-12". When the date-of-the month is set, the hands should be set to the time again moving clockwise.

When hands are set to time reckoning after 12 a.m., they should be moved one full wind clockwise and then set to a desired position. Once completed, the watch crown should be returned to the initial position (and screwed if the watch has a screwed-in crown).

4. The position of day and night indicator or 24-hours counter is synchronized with the setting of hands. Please note that black on day & night indicator (which is used in many models) corresponds to night, and red, as if often used, is for day time.

Pic. 2



IV WATCHES WITH 2426 MOVEMENT

(Produced by Vostok factory, Russia)

Technical Specifications

- Caliber of the movement – 24 mm.
- Movement height – 6.3 mm.
- Additional 24-hours hand.
- 32 Ruby jewels.

Please see the other parameters at 2432 movement, P. III.

User's Manual

1. Winding, setting and / or adjusting the time and the date please see User's Manual Movement 2432.
2. The 24-hour-hand (Pic. 3 ❶) is not independently adjustable. The time of the second time zone is set by means of a unidirectional outer bezel (Pic.3 ❷). Please set the difference in hours between two time zones by

Pic. 3



❶

24-hours hand

❷

Turning bezel with
second time zone scale

means of rotating the bezel until the corresponding desired hour appears at the top.

The 24-hour-hand shows the second time zone time on the bezel when used in conjunction with the fourth hand on the dial.

WATCHES WITH NH25A MOVEMENT

V

(Movement produced by SII, Japan)

Technical Specifications

- Caliber of the movement – 27,4 mm.
- Movement height – 5.32 mm.
- Sweep-type second hand.
- Shock-resistance device of a balance staff.
- Calendar – single, with quick date correction.
- 21 Ruby jewels.
- Frequency - 21,600 vibrations per hour.
- Mean daily rate from –10 to + 30 seconds/day.
- Autonomy at least 41 hours.

ATTENTION: There is automatic winding of the movement only. No manual winding function.

If your watch has a screwed-in crown, it should be unscrewed (Pic. 1) before time and

date setting. Do not forget to screw the crown back after the winding.

1. Time setting (Pic. 4)

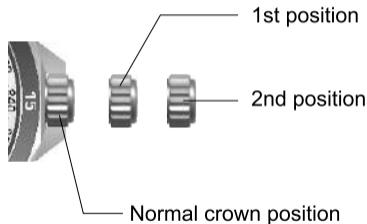
1. Pull out the crown to the second click position.
2. Turn the crown to set hour and minute hands (check that AM/PM is set correctly).
3. Turn the crown clockwise for date setting.

2. Day setting

1. Pull out the crown to the first click position.
2. Turn the crown to left for date setting.
* Do not set the calendar between 9:00 P.M. and 4:00 A.M. If the setting of the calendar is made during this period, the day or date will not change to the next day or date.

Please set the calendar after changing the time other than the above period.

3. Push the crown back in to the normal position.



Pic. 4

VI WATCHES WITH NH35A MOVEMENT

(Movement produced by SII, Japan)

The NH35A movement is analogical to NH25A (see V.) movement but has the following advantages:

- The movement has not only automatic but manual winding function too.
- The movement has stop-second hand device for precise time setting.
- The movement has 24 Ruby jewels.

If your watch has a screwed-in crown, it should be unscrewed (Pic. 1) before time and date setting. Do not forget to screw the crown back after the winding.

1. Winding of the movement

If required, the watch can be wound manually by rotation of the watch crown clockwise about 55 turns.

WARNING: When leading a calm lifestyle (for instance, working on the computer for most of the day), it is advisable to manually wind the movement up (10-15 turns of the crown) every day.

2. Time setting (Pic. 4)

1. Pull out the crown to the second click position.
2. Turn the crown to set hour and minute hands (check that AM/PM is set correctly).
3. Push the crown back in to the normal position.

3. Date setting

1. Pull out the crown to the first click position.
2. Turn the crown **anti-clockwise** for date setting.

Do not set the calendar between 9:00 P.M. and 4:00 A.M. If the setting of the calendar is made during this period, the day or date will not change to the next day or date. Please set the calendar after changing the time other than the above period.

3. Push the crown back in to the normal position.

WATCHES WITH 8215 MOVEMENT

VII

(Movement produced by MYIOTA Co., Citizen Watch Corp., Japan)

Technical Specifications

- Caliber of the movement 26 mm.
- Movement height 5.67 mm.
- 21 Ruby jewels.

All other details are analogical to the NH35A movement (see VI).

User's Manual

Winding, setting and / or adjusting the time and the date please see User's Manual for NH35A movement above (see VI).

WATCHES WITH OS22 AND 6S30 QUARTZ MOVEMENTS

(Produced by Citizen Watch Co., Japan)

Chronograph Function: 1/20 sec chronograph with retrograde demo

Timing: up to 59 minutes 59 seconds

Battery: SR927W

1. Displays and buttons of OS22 movement (Pic.5) and 6S30 movement (Pic. 6)

1. Second hand of the chronograph.
2. Minute hand.
3. Hour hand.
4. Button "A".
5. Minute hand of the chronograph.

Pic. 5



Pic. 6



6. Button "B".
7. Calendar window.
8. Second hand
9. 1/20 sec chronograph hand.
10. 24 hour hand.

2. Setting the time

2.1. Pull the crown out to the 2nd position so that the second hand stops at ZERO position.

2.2. Turn the crown to set hour and minute hands.

2.3. When the crown is pushed back to the normal position in synchronization with a time signal, small second hand begins to run.

3. Setting the date

3.1. Pull the crown out to the 1st Click Position.

3.2. Turn the crown anticlockwise to set the date.

* If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.

3.3. After the date has been set, push the crown back to the normal position.

4. Using the chronograph

This chronograph is able to measure and display time in 1/20 second unit up to maximum of 59 min 59 sec.

The 1/20 second chronograph hand keeps moving continuously for 60 seconds (for OS22) or for 30 seconds (for 6S30) after starting and then stops at ZERO position.

Measuring time with the chronograph:

1. Press button "B" to change the watch to the

chronograph mode. The second hand resets and stops at the ZERO second position.

2. The chronograph can be started and stopped each time button "A" is pressed. The chronograph 1/20 second hand stops at the ZERO second position after 60 seconds (for OS22) or after 30 seconds (for 6S30) after starting.

When button "A" is pressed to stop the chronograph, the chronograph 1/20 second hand advances rapidly to display the measured time.

3. Pressing button "B" resets the chronograph and all hands return to their ZERO positions.

* Moving of the 1/20 sec chronograph hand is a demo only. Actual 1/20 measurement will be shown when the STOP button is pushed.

5. Chronograph reset

(incl. after replacing battery)

This procedure should be performed when the chronograph second hand and chronograph 1/20(1/1) second hand does not return to the ZERO second position after the chronograph has been reset, and including after the battery has been replaced.

5.1. Pull the crown out to the 2nd Click Position.

5.2. Press button "A" to set the chronograph second hand to the ZERO position.

5.3. Press button "B" to set the chronograph 1/20 second hand to ZERO position.

The chronograph hands can be advanced rapidly by continuously pressing button "A" or "B".

5.4. Once the hands have been zeroed, reset the time and return the crown to its normal position.

5.5. Press button "B" to check that the chronograph hands are reset to the ZERO position.

* Do not return crown to the normal position while chronograph second hand and 1/20 chronograph second hand return to ZERO position.

Each hands stop on the way when crown are returned to normal position and these positions are recognized as ZERO position.

(Movement produced by Citizen Watch Co., Japan)

Chronograph function:

Center second hand chronograph 1/1 sec.

Timing: up to 59 minutes 59 seconds

Battery: SR927W

1. Displays and buttons (Pic. 5)

1. Second hand of the chronograph.
2. Minute hand.
3. Hour hand.
4. Button "A".
5. Minute hand of the chronograph.
6. Button "B".
7. Calendar window.

9. Second hand

2. Setting the time and date - please see user's manual for OS22 movement (VIII).

3. Using the chronograph

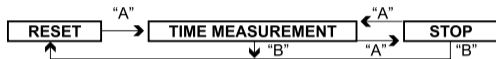
This chronograph is able to measure and display time in 1/1 second unit up to maximum of 59 minutes 59 seconds.

The chronograph second hand keeps continuously for 59 minutes 59 seconds after starting.

Measuring time with the chronograph:

1. The chronograph can be started and stopped each time button "A" is pressed.

2. Pressing button "B" resets the chronograph and the chronograph second hand and chronograph minute hand return to zero position.



4. Chronograph reset (incl. after replacing battery)

This procedure should be performed when the chronograph second hand does not return to zero position after the chronograph has been reset, and including after the battery has been replaced.

4.1. Pull the crown out to the 2nd position.

4.2. Press button "A" to set the chronograph second hand to the zero position. The chronograph

hand can be advanced rapidly by continuously pressing button "A".

4.3. Once the hand have been zeroed, return the crown to the normal position.

* Do not push crown to normal position while the chronograph second hand returns to zero position.

It stops on the way when crown are returned to normal position and its position is recognized as zero position.

WATCHES WITH YT57 QUARTZ MOVEMENT

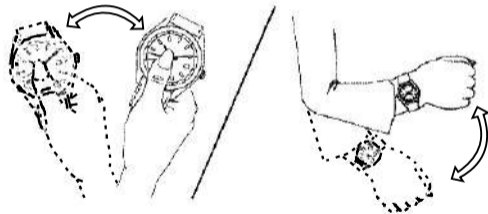
(Movement produced by S. Epson, Japan)

- Movement: quartz with hour, minute, seconds and date indication.
- Unique feature: AGS (Automatic Generation System) that generates electrical energy from human hand motions.
- Utility:
 1. Energy depletion forewarning indication
 2. Instant-start function
- Battery: no necessity replacement
- Accuracy: ± 20 sec/month.

1. AGS (Automatic Generation System)

Device is based on a quartz movement. The energy source is not a galvanic element, but rather a

Rechargeable unit. This energy source is charged by a miniature dynamo machine spun by an oscillating weight. This advanced device generates electrical energy from every motion of the human hand.



Pic. 7

This power source (the Rechargeable unit) is completely different from conventional batteries for watches, and therefore, this watch does not require battery replacement. The Rechargeable unit is a clean and environmentally friendly power source.

When the Rechargeable unit is fully charged, the watch can operate up to 6 months without being recharged (staying idle).

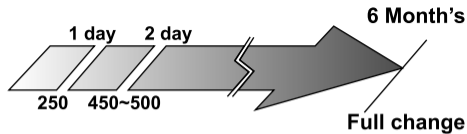
CAUTION: Never install a silver oxide battery for conventional watches in place of the Rechargeable unit. The battery may burst and combust.

2. How to charge and start the watch

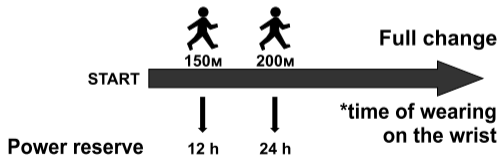
- To charge the Rechargeable unit efficiently, swing the watch from side to side, making an arc of about 20cm (Pic. 7). When the watch is swung, the oscillating weight in the generating system rotates to drive the mechanism, giving out a sound. Please note that the sound is in no case a malfunction.

- 250 swings equal up to 1 day of power reserve. As an indication of being fully operational, the second hand will begin moving. As a guideline to recharging, it is advisable to make an additional 200 - 250 swings (450 - 500 swings in total) in order to reserve 2 days of power (Pic. 8).

- It is not necessary to charge the watch fully, as it is charged automatically while it is worn on your wrist. Not only does the watch build up the charge on the go, but it is much more convenient for the wearer (Pic. 9).



Pic. 8 Number of swings and power reserve.



Pic. 9 Power reserve and distance of walking.

Actual amount of power reserve differs from person to person.

- No additional benefit is obtained by swinging the watch more quickly or with greater vigor.
- The watch is equipped with a system to prevent overcharge. Even if it is further swung after being fully charged, no malfunction will occur.
- It is advisable to wear the watch daily for at least 10 hours.
- Charging does not occur while the watch is not in motion even if worn.

Energy depletion forewarning indication.

When the second hand starts moving at two-second intervals instead of normal one-second intervals, the

watch will run down in approximately 24 hours. In this case, swing the watch from side to side to charge the Rechargeable unit sufficiently (see instruction in the p.2).

3. Instant-start function

- If less than a year has passed since the watch stopped, you can get it started quickly with only a few swings.

- When this function is activated, the second hand will start moving at two-second intervals. The watch need to be charged again (see instruction in the p.1).

- After the second hand starts moving at one-second intervals, put the watch on your wrist for further charging on the go.

- When the watch has been left untouched for more than one year after it completely stopped, the second hand may not start moving at normal one-second intervals even if all the instructions (as described before) have been followed. Under such circumstances the solution is to continue charging until proper motion takes place.

4. Time setting (Pic. 4)

1. Pull out the crown to the second click position.
2. Turn the crown to set hour and minute hands. Check that AM/PM is set correctly.
3. Push the crown back in to the normal position.

5. Date setting

1. Pull out the crown to the first click position.
2. Turn the crown **clockwise** for date setting.

* Do not set the calendar between 9:00 P.M. and 1:00 A.M. If the setting of the calendar is made during this period, the day or date will not change to the next day or date. It is advisable to set the calendar after changing the time.

3. Push the crown back in to the normal position.

The manufacturer warranty period is valid for 12 months from the purchase date. In each country of sale the legal, country-specific guarantee conditions apply. The customer shall not have any claim under this warranty if: the watch does not have this User's Manual; the watch has been repaired by unauthorized service centre or person; the watch is not used in accordance with the instructions supplied in this User's Manual.

The Warranty does not cover the watch-case, crystal, band, bracelet and packing. If hidden faults are detected during the warranty period, the watch can be repaired at the warranty watch service shop marked by your local distributor.

The right for warranty service is provided by the guarantee certificate attached to the given passport-booklet of your watch.

The claims on watch replacement or repayment are satisfied upon submission of the certificate from the guarantee service.

INTERNATIONAL GUARANTEE

AGENCY

A large, empty rectangular box with a thin black border, intended for the user to provide the name of the agency.

Production Number

(Model Number)

Date of Purchase

(Store's stamp)

Seller

(Name)

(Signature)

Repair Coupon Nr.

Model Number

Date

Signature _____

Repair Coupon Nr.

Model Number

Date

Signature _____

Repair Coupon Nr.

Model Number

Date

Signature _____

Repair Coupon Nr.

Model Number

Date

Signature _____



NOTES

