





Watches with mechanical movements

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USER`S MANUAL FOR ALL TYPES OF MECHANICAL WATCHES

I

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.

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.

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** (or 100 meters / 330 feet) you can swim and dive (but not from a tower) and swim under water but not scuba dive.
- **Water resistant 20 ATM** (or 200 meters / 660 feet) or **Water resistant 30 ATM** (or 300 meters / 990 feet) you can swim under water with scuba equipment.

Water resistant watches of 10 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.

Caution: 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.

Attention: There is some humidity inside the watch thus when the outside temperature is lower than inside the watch, the inside of the glass may fog up temporarily. This is not a failure. But if it keeps fogging and doesn't clean up or water gets inside the watch, repair is required. !

WATCHES WITH MOVEMENTS NH35A / NH38A / NH72 / NE57

Movement produced by SII, Japan

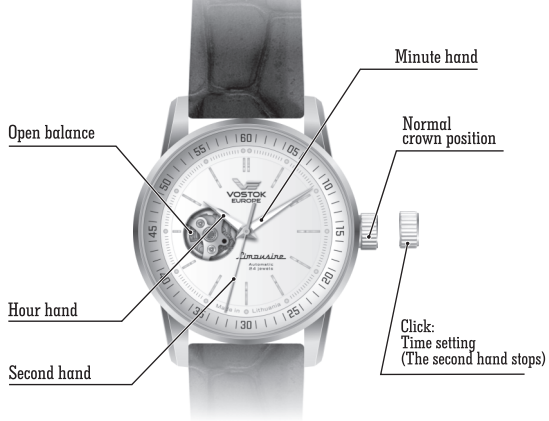


Technical specifications:

- Caliber of the movement – 27,4 mm.
- Sweep-type second hand.
- Shock-resistance device of a balance staff.
- Stop-second hand device for precise time setting.
- Date calendar in a window – NH35A only.
- Date calendar indication by lower hand – NE57 only.
- Power reserve indication by central hand – NE57 only.
- Decorated, Ruthenium plated skeleton movement – NH72 only.
- Open balance – NH38A movement only.
- 24 Ruby jewels.
- Frequency – 21,600 vibrations per hour.
- Mean daily rate from –10 to + 30 seconds/day.
- Autonomy – more than 40 hours.

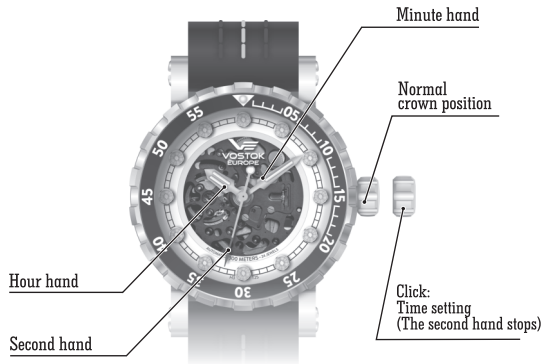


Pic. 1 Model with NE57 movement.



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Pic. 2 Model with NH38A movement.



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Pic. 3 Model with NH72 movement.

If your watch has a screwed-in crown, it should be unscrewed before time and date setting.

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



Winding of the movement, Time setting and Date setting – please see User's manual for YN55 movement (page 16).

Power reserve indication – see Manual for YN84 and YN85 movements (page 17).

Caution: The Power reserve hand can stop at any position between " E" and " 00"



WATCHES WITH MOVEMENTS YN55 / YN84 / YN85

Movement produced by Seiko Epson Co, Japan

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Technical Specifications

- Caliber of the movement – 27,4 mm.
- Sweep-type second hand .
- Shock-resistance device of a balance staff.
- Stop-second hand device for precise time setting.
- Hour, minute and second hands .
- Date calendar – YN85, YN55 only.
- Power reserve indication by upper hand – YN84, YN85 only.
- 24-hours indication by lower hand – YN84 only.
- Open balance – YN84 only.
- 22 Ruby jewels.
- Frequency – 21,600 vibrations per hour.
- Mean daily rate from –10 to + 30 seconds/day.
- Autonomy – more than 40 hours.

Power reserve
indicator hand

Minute hand

Date indicator
(YN85, YN55 only)

Second click:
Time setting
(The second hand stops)

First click:
Date setting Normal position
(Wind up a mainspring)

Normal crown position

Hour hand

Second hand

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Pic. 4 Model with YN85 movement.

Power reserve
indicator hand

Open balance
(for some models with
YN84 movement only)

Hour hand

Second hand

Minute hand

Normal crown position

Second click:
Time setting
(The second hand stops)

First click:
Date setting
Normal position
(Wind up a mainspring)

24-hours hand
(YN84, YN85 only)

Pic. 5 Model with YN84 movement.

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USER'S MANUAL

If your watch has a screwed-in crown, it should be unscrewed before manual winding, 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

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

3. Date setting

- Pull out the crown to the first click position.
- 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.

- Push the crown back in to the normal position.

4. Power reserve indicator (YN84 and YN85 only)

The power reserve indicator shows how much the watch is wound, allowing you to see how much longer the watch will run at a glance. The time pointed to by the power reserve hand is the remaining time. When the power reserve hand indicates the 40 or F mark, the mainspring is fully wound.

*** The remaining time shown is only an approximation. The time shown may be different from actual remaining time.**

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.

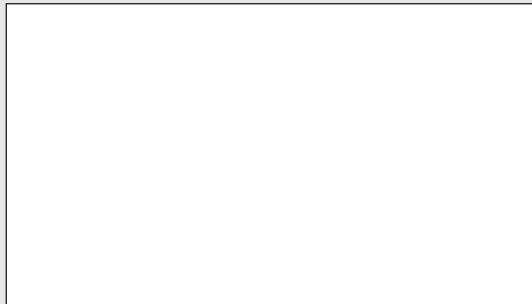
The Warranty does not cover the watch-case, crystal, band, bracelet and packing. If hidden faults are detected during the warranty period, the watch can be repaired at the warranty watch service shop marked by your local distributor.

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.

NOTES

INTERNATIONAL GUARANTEE

AGENCY

A large, empty rectangular box with a thin black border, occupying the right side of the page below the 'AGENCY' label. It is intended for a signature or stamp.

Production Number

(Model Number)

Date of Purchase

(Store's stamp)

Seller

(Name)

(Signature)

Repair Coupon Nr.

Model Nr.

Date

Signature

Repair Coupon Nr.

Model Nr.

Date

Signature

Repair Coupon Nr.

Model Nr.

Date

Signature

Repair Coupon Nr.

Model Nr.

Date

Signature

