



ORIENT

MECHANICAL WATCH
WITH MULTI-YEAR CALENDAR
AUTOMATIC & HAND WINDING

INSTRUCTION MANUAL

EMAM89

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MECHANICAL WATCHES WITH MULTI-YEAR CALENDAR AUTOMATIC & HAND WINDING

INSTRUCTION MANUAL

Thank you for choosing our product. To ensure prolonged use and optimum performance, please read this instruction manual carefully and familiarize your-self with the terms of the guarantee.

Please keep this Instruction Manual handy for future reference.

◆ SAFETY PRECAUTIONS

Make absolutely sure to observe the demarcated contents indicated below to prevent any possible physical danger and property damage to you as well as other people concerned.



... A demarcation with this symbol represents the contents **assuming possibility for death or serious injury** when the product is used in any manner different from given instructions.



... A demarcation with this symbol represents the contents **assuming possibility of causing human injury or material damage only** when a product is used in any manner different from given instructions.

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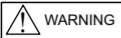
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◆ IN HANDLING THE WATCH

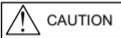
(1) Water-resistance

| Type | | Conditions of use | Underwater operation of crown and operation of crown with drops of water on it | Exposure to small amounts of water (face-washing, rain, etc.) | Water sports (swimming, etc.), frequent contact with water (car-washing, etc.) | Skin diving (air tanks are not used) | Scuba diving (air tanks are used) | Mixed-gas Diving (using helium gas) |
|-------------------------|---|--|--|---|--|--------------------------------------|-----------------------------------|-------------------------------------|
| | | | | | | | | |
| Non water resistant | | Without WATER RESISTANT (WATER RESIST) | × | × | × | × | × | × |
| Water resistant watches | Water resistant for daily life | WATER RESISTANT (WATER RESIST) | × | ○ | × | × | × | × |
| | Reinforced water resistance for daily life I | WATER RESISTANT (WATER RESIST) 5bar (50m) | × | ○ | ○ | × | × | × |
| | Reinforced water resistance for daily life II | WATER RESISTANT (WATER RESIST) 10bar (100m) 20bar (200m) | × | ○ | ○ | ○ | × | × |
| Diver's watches | Diver's watch for Air Diving | AIR DIVER'S 100m / 150m 200m | × | ○ | ○ | ○ | ○ | × |
| | Diver's watch for Mixed-gas Diving | He-GAS DIVER'S 200m / 300m / ... | × | ○ | ○ | ○ | ○ | ○ |

* It is recommended that you use the watch correctly following the above-mentioned scope of usage after ascertaining water resistance precautions marked on the dial or caseback.



- ① A watch with water resistance for daily life 3 bar (30m) can be used during face-washing, etc. but cannot be used in an environment in which it will be submerged in water.
- ② A watch with reinforced water resistance for daily life I 5 bar (50m) can be used while swimming, etc. but cannot be used during any type of diving including skin diving.
- ③ A watch with reinforced water resistance for daily life II 10 or 20 bar (100m or 200m) can be used while skin diving, but cannot be used while scuba diving using oxygen tanks or saturation diving using helium gas, etc.



- ④ Keep the crown pushed in at all times (in the normal position) while using the watch. If the crown is the screwed-down type, check that it is securely screwed down.
- ⑤ Do not operate the crown underwater, or while the watch is wet. Water may enter the interior of the watch and defeat the water resistance.
- ⑥ If your watch is non-water resistant, beware of splashes of water (during face washing, rain, etc.) and sweat. If the watch becomes wet from water or sweat, wipe the moisture off with a dry, soft cloth.
- ⑦ Even with a water resistant watch for everyday use, avoid directing strong jets of mains water onto the watch. Water pressure above the limit can apply, which may defeat the water resistance.
- ⑧ With a water resistant watch for everyday use, rinse sea water off the case after exposure, then wipe it thoroughly to avoid corrosion and other effects.
- ⑨ The interior of the watch contains some amount of moisture, which may cause fogging on the inside of the glass when the outside air is cooler than the internal temperature of the watch. If the fogging is temporary it causes no harm inside the watch, but if prolonged, or if water enters the watch, consult your place of purchase and do not leave the problem untreated.

(2) Shock

- ① Be sure not to carry the watch when you engage in strenuous sports, whereas playing such light sports as golf, etc., will not adversely influence the watch.
- ② Avoid a violent shock such as dropping the watch on the floor.

**(3) Magnetism**

- ① If the watch is left at a location with strong magnetism for an extended period of time, the components may be magnetized, resulting in malfunction. Be careful.
- ② The watch may temporarily speed up or slow down when exposed to magnetism. Precision is restored when placed away from magnetism. In such a case, reset the time.

(4) Vibration

The watch may lose precision if subjected to strong vibrations such as from riding motorcycles, using jackhammers, chain saws, etc.

**(5) Temperature**

In environments below and above normal temperatures (5°C-35°C), the watch may malfunction and stop.



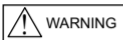
Do not use the watch at high temperatures, such as in a sauna. The watch may heat and cause burns.

(6) Chemicals, Gases, etc.

Utmost caution must be exercised when coming into contact with gases, mercury, chemicals (paint thinner, gasoline, various solvents, detergents containing such components, adhesives, paint, drugs, perfumes, cosmetics, etc.), and so forth. Such may cause discoloration of the watchcase, watchband, and dial face. Discoloration, deformation, and damage to various resin-based component parts may also occur.

(7) About accessory parts

Do not attempt to disassemble or modify the watch.



Store the bracelet/strap pin and other small parts out of the reach of children.

If any small parts are swallowed, immediately contact a doctor.

(8) Allergic reactions

If you develop a skin rash or your skin becomes abnormally irritated due to contact with the watch or strap, stop wearing the watch immediately and consult a doctor.

(9) About “luminous light”

This watch has luminous light on the hands and dial.

The luminous light is a safe paint that stores sunlight and artificial light without using any radioactive material, and emits that light in a dark setting. As the paint discharges the stored light, it will become dimmer over time. The amount of light emitted and the time that light is emitted depends on various factors when the light is stored, such as the shape of the glass, the thickness of the paint, surrounding brightness level, the distance from the watch to the light source, and the light absorption level. Please note that when not enough light energy is stored, the watch may emit weak light or emit light for only a short time.

(10) Water resistant watchband

Some products employ leather and nylon bands on which a special treatment to resist perspiration and water absorption have been applied. Please understand that the water resisting effect of this watchband can be lost depending on the period and conditions of use.

◆ SPECIFICATIONS

| Caliber | | Number of jewels | Date | Multi-year calendar | Second hand halt mechanism | Remark1* |
|---------|-----|------------------|------|---------------------|----------------------------|-------------------|
| BA | F6D | 22 | ○ | ○ | ○ | 8:00P.M.-2:00A.M. |

- (1) Vibrations: 21,600 vibrations/1 hour
- (2) Daily accuracy: +25 sec. to -15 sec.
- (3) Running time: More than 40 hours
- (4) Shock-proof bearings to protect the balance with hairspring from shocks.

The stated daily accuracy is in the following conditions:

- After 24 hours at room temperature with the mainspring wound fully and the dial facing up.
- Due to the characteristics of the automatic winding watch, the time may deviate from the stated "daily accuracy" depending on the following conditions: amount of time the watch is worn each day, position of the watch, movement of your arm, winding condition of the mainspring.
- Determine the deviation from not just a day but a period of about a week.

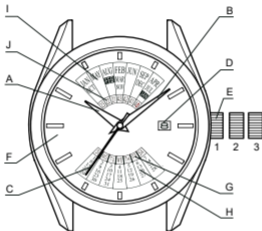
Product specifications may change without notice, for improvement.



- * Avoid setting the date during the time periods listed in "Remark1" above since the calendar changes during this time. If the date is set during this time period, the date may not change or the watch may malfunction. Be sure to move the hour and minute hands away from this time period when setting the date.

◆ NAMES AND FUNCTIONS OF INDIVIDUAL COMPONENT PARTS

- | | | |
|----------------|--------------------------------|----------------------------------|
| A: Hour hand | F: Dial | 1. Normal position |
| B: Minute hand | G: Day of the week | 2. First click: Calendar setting |
| C: Second hand | H: Dates (for 1 month) | 3. Second click: Time setting |
| D: Date | I: Month | |
| E: Crown | J: Last two digits of the year | |



- * The position of the crown, date indicator, multi-year calendar may be different, depending on the model.
 - * You can see the monthly calendar by setting the last two digits of the year (J) displayed on the Multi-year calendar disc to the month (I).
 - * The calendar is valid for maximum 23 years.
- We regularly prepare an updated version of the Multi-year calendar disc, so you can update the year display by replacing this part at the ORIENT authorized store or service center.
- However, replacement fee will be charged.

◆ AUTOMATIC WINDING MECHANISM

- (1) The mainspring is wound by natural movements of your arm when wearing the watch on your wrist.
- (2) If your watch stops, swing the watch back and forth ten or more times to re-start the second hand. After it starts moving, set the date and time.
- (3) This watch will run approximately 40 hours after it is fully wound. If it is not wound enough, the watch may lose accuracy. In order to maintain the watch's accuracy, we recommend wearing the watch at least 8 hours a day.



◆ HAND WINDING MECHANISM

- (1) The mainspring is wound up manually.
- (2) To wind the spring, ensure that the crown is in its normal position and slowly turn it clockwise.
Turning the crown counterclockwise will have no effect.
- (3) When the watch is in the stopped state, the spring can be wound sufficiently by rotating the crown approximately 30 times. Since the crown will rotate even when winding is complete, wind the watch using the above number of turns as a guide.
- (4) This watch will run approximately 40 hours after the spring is fully wound.

◆ MODELS WITH SCREWED-DOWN CROWN

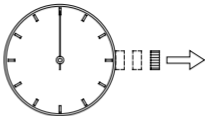
Depending on the model, you may not be able to pull the crown out without unscrewing it (models with screwed-down crown).

Operate this type of watch as follows:

- (1) Before setting the date and time, first turn the crown counterclockwise to loosen the screw lock.
- (2) After setting the date and time, turn the crown clockwise while pressing in, until it stops turning to securely tighten the screw.

◆ HOW TO SET THE TIME

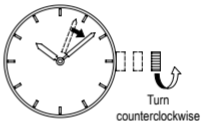
- (1) Pull out the crown to the second click when the second hand reaches the 12 o'clock position.
(The second hand stops.)



- (2) Turn the crown counterclockwise and set the current time.

*When setting the time, first bring the hand back slightly earlier than the actual time and then move it forward to the actual time.

*For the watch with a calendar, make sure that you set either a.m. or p.m. without fail. The date changes at [twelve o'clock midnight].

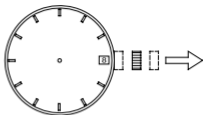


- (3) Press the crown in to the normal position.



◆ HOW TO SET THE DATE

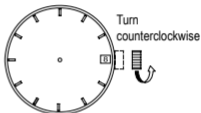
- (1) Pull the crown out to the first click.
The crown on this watch can be pulled out to the first and second clicks.



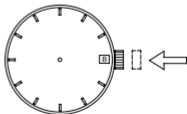
- (2) Turn the crown counterclockwise, and set the date to that for the current day.

**** Correcting the date at the end of the month**

The date will have to be corrected for months that have 30 days, or those that have less than 30 days. After the date switches over to the first day of the succeeding month, set the date to the [First (1)].

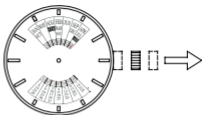


- (3) Push the crown back to the normal position.



◆ HOW TO SET THE MULTI-YEAR CALENDAR

- (1) Pull the crown out to the first click.
The crown on this watch can be pulled out to the first and second clicks.



- (2) Turn the crown clockwise until the month to be set lines up with the last two digits of the year to be set at the top of the dial.



- * To display the month of January or February during a leap year, line up the last two digits of the year with the appropriate **JAN** or **FEB**.
The last two digits of the year for a leap year are printed in red.



A calendar with the days for the specified month in their appropriate places is displayed at the bottom of the dial.



(3) Push the crown back to the normal position.

