## N-8

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**Printed in Japan** 

## 8L35 / 8L55

# SEIKO

## 8L35 / 8L55

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DIVER'S WATCH FOR SATURATION DIVING INSTRUCTIONS

日本語	 	 JA	1

English ..... I

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https://www.seikowatches.com/

## Thank you very much for choosing a SEIKO watch. For proper and safe use of your SEIKO watch, please read carefully the instructions in this booklet before using it.

#### Keep this manual handy for easy reference.

\* Length adjustment service for metallic bands is available at the retailer from whom the watch was purchased. If you cannot have your watch repaired by the retailer from whom the watch was purchased because you received the watch as a gift, or you moved to a distant place, please contact SEIKO CUSTOMER SERVICE CENTER. The service may also be available on a chargeable basis at other retailers, however, some retailers may not undertake the service.

\* If your watch has a protective film for preventing scratches, make sure to peel it off before using the watch. If the watch is used with the film on it, dirt, sweat, dust, or moisture may be attached to the film and may cause rust.

#### EN 1

#### 

#### Make sure to read the following instructions before use and strictly observe them.

#### **A**CAUTION

Inspect the following items before diving:

- The watch is operating normally.
- The remaining battery level is sufficient and the mainspring is sufficiently wound.
- The rotating bezel turns smoothly. (The bezel rotation must not be too loose or too tight.)
- · Screws of the crown and other parts are reliably tightened.
- No abnormalities such as flaws or cracks exist on the band or glass.
- The band is reliably fixed (with spring bar, buckle or other parts.)
- \* If any abnormality is observed in the above items, do not use this watch for diving.

#### **▲** CAUTION

Do not operate the crown or buttons underwater.

#### **▲** CAUTION

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As the use environment of the diver's watch may affect not only the case or band but also the internal mechanism of the watch, we recommend that you periodically request an overhaul for inspection and adjustment approximately once every two to three years.

#### A WARNING

#### Make sure to read the following instructions before use and strictly observe them.

#### A WARNING

When diving, never carry out operations other than those specified in this instruction manual. Mishandling of the product and misunderstanding of the displayed content may lead to a fatal or serious accident.

#### A WARNING

The diver's watch is an auxiliary instrument which mainly displays the passage of time and does not ensure the safety of a user. Use this watch while using the equipment (residual pressure gauge, water depth meter, etc.) required for safe diving.

#### A WARNING

This watch supports usage in saturation diving. Ensure you have the skills and experience necessary for saturation diving; that you have fully familiarized yourself with watch operation and handling; and that you check the watch each time before diving. If these items have not been confirmed, then do not carry out saturation diving using this watch.

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## **Handling cautions**

#### **A** WARNING

Please note that there is a risk of serious consequences such as severe injury if the following safety regulations are not strictly observed.

#### Immediately stop wearing the watch in following cases:

- O If the watch body or band becomes edged by corrosion etc.
- O If the pins protrude from the band.
- \* Immediately consult the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER.

#### Keep the watch and accessories out of the reach of babies and children.

Care should be taken to prevent a baby or a child accidentally swallowing the accessories. If a baby or child swallows the battery or accessories, immediately consult a doctor, as it will be harmful to the health of the baby or child.

#### **A**CAUTION

Please note that there is a risk of minor injury or material damage if the following safety regulations are not strictly observed.

#### Avoid the following places for wearing or keeping the watch:

O Places where volatile agents (cosmetics such as polish remover, bug repellent, thinners etc.) are vaporizing

O Places where the temperature drops below 5°C or rises above 35°C for a long time O Places affected by strong magnetism or static

O Places affected by strong vibrations O Places of high humidity O Dusty places

#### If you observe any allergic symptoms or skin irritation

Stop wearing the watch immediately and consult a specialist such as a dermatologist or an allergist.

#### Other cautions

electricity

O For adjusting the length of the metallic band, specialized knowledge and expertise are necessary. Therefore, in such a case, contact the retailer from whom the watch was purchased. If you attempt to adjust the metallic band, injury may occur to your hand or fingers, or parts of the band may be lost

O Do not disassemble or tamper with the watch.

- O Keep the watch out of the reach of babies and children. Extra care should be taken to avoid risks of any injury or allergic rash or itching that may be caused when you touch the watch.
- O If your watch is of the fob or pendant type, the strap or chain attached to the watch may damage your clothes, or injure the hand, neck, or other parts of your body.

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HOW TO USE

EN 5

HOW TO

USE

#### **WARNING**

Make sure you carefully check the depth rating indicated on the watch dial or on the case back, and never use the watch underwater deeper than the specified depth.

#### **WARNING**

While diving, never operate the watch in any other manner than set forth in the instruction manual.

#### **WARNING**

Before using the diver's watch, you have to be properly trained in various types of diving and possess the requisite experience and skill to dive safely. When diving, strictly abide by the rules of diving.

#### **▲** CAUTION

Please note that there is a risk of minor injury or material damage if the following safety regulations are not strictly observed.

Do not turn or pull out the crown when the watch is wet.



Water may get inside of the watch.

\* If the inner surface of the glass is clouded with condensation or water droplets appear inside of the watch for a long time, the water resistant performance of the watch is deteriorated. Immediately consult the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER.



#### Do not leave moisture, sweat and dirt on the watch for a long time.

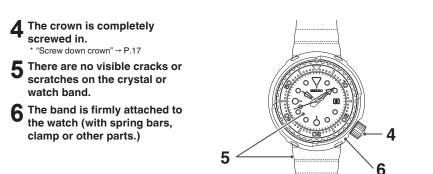
Be aware of a risk that a water resistant watch may lessen its water resistant performance because of deterioration of the adhesive on the glass or gasket, or the development of rust on stainless steel.

#### Do not wear the watch while taking a bath or a sauna.

Steam, soap or some components of a hot spring may accelerate the deterioration of water resistant performance of the watch.

# Precautions for diving (Please make sure to observe the following) ■ Before diving Before diving, check the following: \* "Names of the parts and their functions" → P.16 The time is correctly set. Turn the crown to wind up the watch so that it does not stop in the water. \* "Screw down crown" → P.17 \* "How to wind the mainspring" → P.18

3



### 

If there are any malfunctions, contact the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER.

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HOW TO USE

#### While diving

**2** The rotating bezel turns

too loose or too tight.) \* "How to use the rotating bezel" → P.24

(The bezel rotation must not be

smoothly.

EN 9

HOW TO USE

Please observe the following cautions for use.



The watch can be used for air diving or saturation diving within the water resistant range displayed on the dial.



Take care not to bump the watch against hard objects such as rocks.



Do not operate the crown or buttons underwater.



Bezel rotation may become slightly harder in the water but this is not a malfunction.

## After diving

Please follow the care instructions below after diving.



Rinse the watch in fresh water to wash out all seawater and wipe it thoroughly dry to prevent rust. Avoid pouring running water onto the watch directly from a faucet. Put some water into a bowl first, and then soak the watch in the water to wash it.

## 

Depending on the environment where a diver's watch is used, its inner parts or movement as well as its case or band may be affected. We recommend that you have your watch overhauled regularly once every 2 or 3 years.

HOW TO USE

#### Structure of the case

In the following types of models, take care of the following issues in usage.

The bezel or protective outer case is securely fastened to the watch with setscrews. Never loosen the setscrews.



\* The above illustration is provided as an example, therefore it may not be exactly the same as your watch.

#### 

Never loosen the setscrews used to fix the bezel or protective outer case.

Doing so may cause damage or result in further loosening.

\* If you find that the setscrews have become loose or are functioning abnormally, consult the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER.

EN 13

HOW TO USE

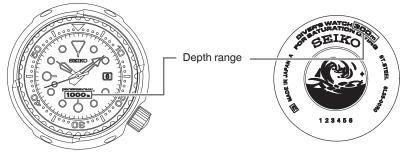
## Mechanical watch characteristics (Hand-wound, auto-wound)

- This is a mechanical watch powered by a spring.
- To use it from a stopped state, turn the crown 20 turns by hand to wind up the spring before starting the watch.
- · Although the accuracy of guartz watches is measured in differences over months or years, in mechanical watches it is measured in differences per day (i.e., the amount the watch speeds up or slows down in a single day).
- · Additionally, mechanical watches are subtly affected by the conditions in which they are used (e.g., duration worn, temperature, arm movement, the amount wound, etc.); thus, the amount of error is not constant.
- · When affected by a strong magnetism from outside, the mechanical watch may lose/gain time. The parts of the watch may become magnetized depending on the extent of the effect. In such a case, consult the retailer from whom the watch was purchased since the watch requires repair including demagnetizing.

## Water resistant performance

#### Water resistance for saturation diving

This watch is specially designed for use in saturation diving, which requires helium gas. Make sure you carefully check the depth rating of your watch, which is indicated either on the watch dial or on the case back. Never use the watch underwater deeper than the specified depth.



\* The above illustration is provided as an example, therefore it may not be exactly the same as your watch.

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## Names of the parts and their functions $\cap$ SEIKO (5) 1000 m O 0 0 Ô 6

(1

(2

(3

1

## ① Minute hand

(2) Hour hand

(3) Seconds hand

#### (4) Date

#### (5) Rotating bezel

#### 6 Crown

- · Normal position (not locked): Wind up the watch (hand-wound)
- First click position: Date setting
- · Second click position: Time setting

## Screw down crown

The screw down crown features a mechanism that can securely lock the crown when it is not being operated in order to prevent any operational errors and to improve its water resistant performance.

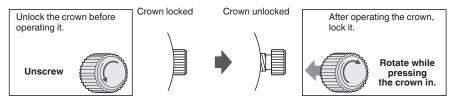
- It is necessary to unlock the screw down crown before operating it.
- · Once you have finished operating the crown, make sure to relock it.

#### [To unlock the crown]

Turn the crown counterclockwise to unscrew it. Now the crown can be operated.

#### [To lock the crown]

Turn the crown clockwise while gently pressing it in toward the watch body until it stops.



\* When locking the crown, turn it slowly with care, ensuring that the screw is properly engaged. Be careful not to push it in forcefully, as doing so may damage the screw hole in the case.

#### EN 17

\* If the watch is used without being wound up fully, gain or loss of time may result. To avoid this, wear the watch for more than 10 hours a day. If the watch is used without being worn on the wrist, be sure to wind it up fully every day at a fixed time.

\* If you use a watch that has stopped with the mainspring unwound, winding the mainspring with the crown will not start the watch immediately. That is because the mainspring torque or force is low at the beginning of its winding due to the characteristics of mechanical watches. The seconds hand will start to move when a certain degree of torque is reached after the mainspring has been wound up. However, swinging the watch from side to side to forcibly turn the balance can start the watch sconer.

- This is an automatic mechanical watch with a manual winding mechanism.
- When the watch is worn on the wrist, the mainspring is wound automatically through normal wrist movement. The watch can also be wound up by turning the crown.
- To start the watch after it stops completely, wind it up either by turning the crown or swinging it from side
  to side until the seconds hand starts moving. Then, set the time and date before putting the watch on
  the wrist. To wind up the watch, turn the crown clockwise slowly. The watch cannot be wound by turning
  the crown counterclockwise. In this way, the watch can be wound up fully. Furthermore, turning the crown
  further will not break the spring.
- \* For the watch with screw down crown, please unlock the crown before operating it and be sure to lock the crown after operating it.
- Once the watch is wound up fully, it operates for about 50 hours (8L35) or 55 hours (8L55).

## How to set the time and date

The watch is provided with a date function and is so designed that the date changes once every 24 hours.

The date changes around 12 o'clock midnight. If AM/PM is not properly set, the date will change at 12 o'clock noon.

#### 

Do not amend the date when the watch is displaying between 8 PM and 2 AM. Amending the date during this time period may cause problems such as the date failing to change the next day.

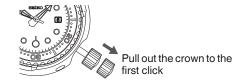
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HOW TO USE

Unlock the crown.

"Screw down crown" → P.17

Pull out the crown to the first click.



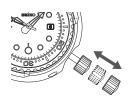
#### The date can be set by turning the crown.

Turn it until the previous day's date appears. Ex.) To display the date as "6," then set this to "5." Turn the crown clockwise to set the date.

#### Pull out the crown to the second click and set the time.

Pull out the crown to the second click when the seconds hand is at the 12 o'clock position; the seconds hand stops on the spot.

Turn the crown to advance the hands until the date changes to the next. The time is now set for the A.M. period. Advance the hands to set the correct time.



#### Push the crown back in to the normal position in accordance with a time signal. 5

The seconds hand immediately starts moving. \* The telephone time signal service is helpful for setting the seconds hand exactly.

#### 6 Relock the crown.

Δ

\* "Screw down crown" → P.17

#### 

The mechanism of mechanical watches is different from that of guartz watches. When setting the time, be sure to turn back the minute hand a little behind the desired time and then advance it to the exact time.

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EN 23

HOW TO USE

HOW TO USE

## Date adjustment at the end of the month

It is necessary to adjust the date at the end of February and 30-day months.

Ex.) To adjust the date in the A.M. period on the first day of a month following a 30-day month The watch displays "31" instead of "1." Pull out the crown to the first click.

Turn the crown clockwise to set the date to "1" and then push the crown back in to the normal position.



## **A**CAUTION

- · Return the screw down crown fully to its original position.
- Avoid amending the date when the watch is displaying between 8 PM and 2 AM. Doing so may cause damage.

# How to use the rotating bezel

By setting the rotating bezel beforehand, the elapsed time since the start of an event can be measured. At the start of the event, for which

Example: When you start diving at 10:10 am. you want to measure the elapsed

time (for example, when you start diving), rotate the bezel so that the  $\bigtriangledown$  mark on the bezel is aligned with the minute hand. \* The rotating bezel is designed to rotate only counterclockwise. Do not forcibly rotate it clockwise. "[One-Way rotating bezel]" → P.25

Read the graduation on the

rotating bezel to which the minute hand is pointing. The graduation on the rotating bezel to

the elapsed time.

which the minute hand is pointing indicates

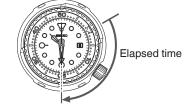




with the minute hand

Rotating direction of the bezel

Example: After 20 minutes has elapsed



\* The above illustration is provided as an example, therefore it may not be exactly the same as your watch.

#### [One-Way rotating bezel]

1

HOW TO USE

As the evaluation of the remaining air in your cylinder is based on the information of the elapsed time of the dive, the rotating bezel for a diver's watch is designed to rotate only counterclockwise, so that the watch is prevented from displaying the elapsed time shorter than it actually is.

#### **A**CAUTION

Make sure that you check the correct remaining amount of air in your cylinder before diving. Use the display of the elapsed time by the rotating bezel only as a guide during diving.

## **Daily care**

#### The watch requires good daily care

- Do not wash the watch when its crown is in the extended position.
- · Wipe away moisture, sweat or dirt with a soft cloth.
- · After soaking the watch in seawater, be sure to wash the watch in clean pure water and wipe it dry carefully.

Do not pour running water directly from a faucet onto the watch. Put some water into a bowl first, and then soak the watch in the water to wash it.

\* If your watch is rated as "Non-water resistant" or "water resistant for everyday life," do not wash the watch. "Water resistant performance" → P.14 "Performance and type"  $\rightarrow$  P.27

#### Turn the crown from time to time

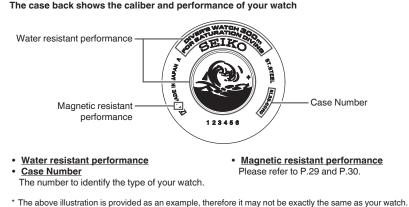
- In order to prevent corrosion of the crown, turn the crown from time to time.
- The same practice should be applied to a screw down crown. "Screw down crown" → P.17

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## **Performance and type**

TO PRESERVE THE QUALITY OF YOUR WATCH

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Lumibrite is a luminous paint that absorbs the light energy of sunlight and lighting apparatuses in a short time and stores it to emit light in the dark. For example, if exposed to a light of more than 500 lux for approximately 10 minutes, Lumibrite can emit light for 3 to 5 hours. Please note, however, that, as Lumibrite emits the light it stores, the luminance level of the light decreases gradually over time. The duration of the emitted light may also differ slightly depending on such factors as the brightness of the place where the watch is exposed to light and the distance from the light source to the watch.

Lumibrite

\* In general, when coming from a place that is bright to a place that is dark, it takes human eyes some time to adapt to the darkness making it difficult to see objects initially. (Dark adaptation)

\* Lumibrite is luminous paint that stores and emits light, which is harmless to human beings and the environment, containing no toxic materials such as radioactive substances.

#### <Brightness levels>

If your watch has Lumibrite

Conditi	on	Illumination		
Sunlight	Fine weather	100,000 lux		
Surlight	Cloudy weather	10,000 lux		
Indoor (Window-side during	Fine weather	More than 3,000 lux		
davtime)	Cloudy weather	1,000 to 3,000 lux		
dayime)	Rainy weather	Less than 1,000 lux		
Lighting experietus (40 wett deulight	Distance to the watch: 1 m	1,000 lux		
Lighting apparatus (40-watt daylight fluorescent light)	Distance to the watch: 3 m	500 lux (Average room luminance)		
ndorescent lighty	Distance to the watch: 4 m	250 lux		

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## Magnetic resistant performance

## Affected by nearby magnetism, a watch may temporarily gain or lose time or stop operating.

Diver's watches feature magnetic resistant performance which is equivalent to or above JIS Class 1.

<u>∧</u> DANGER			
Indication on the case back	Condition of use		
No indication	Keep the watch more than 5 cm away from magnetic products.		
No indication	(JIS level-1 standard)		
$\mathbf{\cap}$	Keep the watch more than 1 cm away from magnetic products.		
닐	(JIS level-2 standard)		
(			

If the watch becomes magnetized and its accuracy deteriorates to an extent exceeding the specified rate under normal use, the watch needs to be demagnetized. In this case, you will be charged for demagnetization and accuracy readjustment even if it happens within the guarantee period.

#### The reason why a watch is affected by magnetism

The built-in balance spring may be influenced by a strong external magnetic field.

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2

5

PRESERVE THE QUALITY OF YOUR WATCH

2

TO PRESERVE THE QUALITY OF YOUR WATCH

## Band

The band touches the skin directly and becomes dirty with sweat or dust. Therefore, lack of care may accelerate deterioration of the band or cause skin irritation or stain on the sleeve edge. The watch requires a lot of attention for long usage.

- Moisture, sweat or soil will cause rust even on a stainless steel band if they are left for a long time.
- Lack of care may result in a rash or cause a yellowish or gold stain on the lower sleeve edge of shirts.
- Wipe off moisture, sweat or soil with a soft cloth as soon as possible.
- To clean the soil around the joint gaps of the band, wipe it out in water and then brush it off with a soft toothbrush.

(Protect the watch body from water splashes by wrapping it up in plastic wrap etc.) Clean it off with a soft cloth.

- Because some titan bands use pins made of stainless steel, which has outstanding strength, rust may
  form in the stainless steel parts.
- If rust advances, pins may poke out or drop out, and the watch case may fall off the band, or the clasp may not open.
- If a pin is poking out, personal injury may result. In such a case, refrain from using the watch and request repair.

#### • Polyurethane band

AC-powered

shaver

• <u>A polyurethane band is susceptible to discoloration from light, and may be deteriorated by solvent or atmospheric humidity.</u>

Portable radio

(Speaker)

- Especially a translucent, white, or pale colored band easily adsorbs other colors, resulting in color smears or discoloration.
- Wash out dirt in water and clean it off with a dry cloth.

Smartphone, cellular phone, tablet terminal

(Speaker, magnet of cover)

Magnetic

cooking device

(Protect the watch body from water splashes by wrapping it up in plastic wrap etc.)
When the band becomes less flexible, have the band replaced with a new one. If you continue to use the band as it is, the band may develop cracks or become brittle over time.

#### Silicone band

- As for material characteristics, the band is easily dirtied, and may be stained and discolored. Wipe off dirt with a wet cloth or cleaning tissue.
- Unlike bands of other materials, cracks may result in the band being cut. Take care not to damage the band with an edged tool.

Notes on skin irritation and allergy	Skin irritation caused by a band may result from various factors such as allerg metals or leathers, or skin reactions against friction on dust or the band itself.	
Notes on the length of the band	Adjust the band to allow a little clearance with your wrist to ensure proper airflow. When wearing the watch, leave enough room to insert a finger between the band and your wrist.	ð

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Bag

(With magnet buckle)

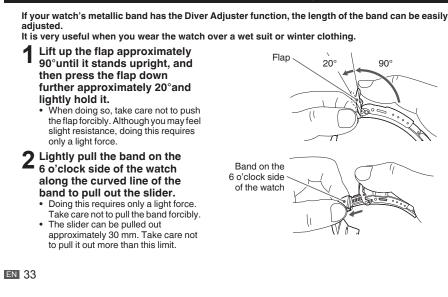
Magnetic health

pillow

AC adapter

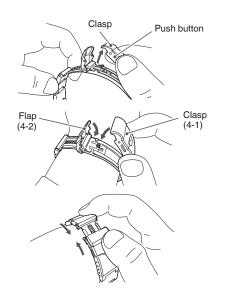
#### Examples of common magnetic products that may affect watches

## How to use the diver adjuster



- **3** While pressing the push button, lift up the clasp to release the buckle, and place the watch on your wrist.
- 4 Close the clasp (4-1) first and then, the flap (4-2).

**5** Hold both sides of the band to adjust the length of the slider until it fits snugly around your wrist.



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TO PRESERVE THE QUALITY OF YOUR WATCH

2

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2

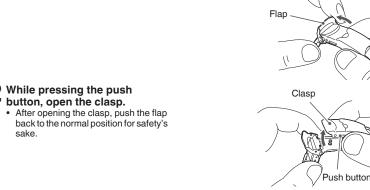
TO PRESERVE THE QUALITY OF YOUR WATCH

## How to use the diver extender

If your watch's metallic band has the Diver Extender function, the length of the band can be easily adjusted.

It is very useful when you wear the watch over a wet suit or winter clothing.

Lift up the flap.



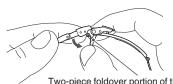
**3** Open the two-piece foldover portion of the Diver Extender in the direction of the arrow.

• Some force is required to open the foldover portion, and it will click when it is opened.

4 Slide the upper cover of the Diver Extender in the direction of the arrow, and then, pull it up to extend the two-piece foldover portion to the full extent.

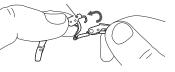
**5** Place the watch on your wrist, and close the clasp (5-1) first and then, the flap (5-2).

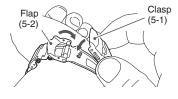
> \* To fold up the Diver Extender, reverse the procedure above. When the two-piece folder portion of the Diver Extender is folded up completely, it also clicks in the same manner as when it is opened.



Two-piece foldover portion of the Diver Extender

Upper cover of the Diver Extender





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2

## After sales service

#### Notes on guarantee and repair

- Contact the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER for repair or overhaul.
- Within the guarantee period, present the certificate of guarantee to receive repair services.
- Guarantee coverage is provided in the certificate of guarantee.
   Read carefully and retain it.
- For repair services after the guarantee period has expired, if the functions of the watch can be restored by repair work, we will undertake repair services upon request and payment.

#### Replacement with functional parts

Please keep in mind that if original parts are not available, they may be replaced with substitutes whose
outward appearance may differ from the originals.

#### Inspection and adjustment by disassembly and cleaning (Overhaul)

- Periodic inspection and adjustment by disassembly and cleaning (overhaul) is recommended approximately once every 2 to 3 years in order to maintain optimal performance of the watch for a long time.
- The power transmission gear of the movement of this watch constantly receives force. To ensure that
  this mechanism works properly all the time, washing parts, changing oil, adjusting accuracy, checking
  functions and replacing consumable parts on a regular basis are important. The first overhaul after the
  purchase of your watch is particularly important for preserving long-time use of your watch. According
  to use conditions, the oil retaining condition of your watch mechanical parts may deteriorate, abrasion
  of the parts due to contamination of oil may advance or delay the time significantly, or the watch itself
  may stop.

As the parts such as gasket may deteriorate, water resistant performance may be impaired due to intrusion of perspiration and moisture.

Inspection and adjustment by disassembly and cleaning (overhaul) should be performed by the retailer from whom the watch was purchased, and who specifies "SEIKO GENUINE PARTS." At this time, also request replacement of the gasket and the spring bar.

When your watch is inspected and adjusted by disassembly and cleaning (overhauled), the movement
of your watch may be replaced.

#### 

Depending on the environment where a diver's watch is used, its inner parts or movement as well as its case or band may be affected. We recommend that you have your watch overhauled regularly once every 2 or 3 years.

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PRESERVE THE QUALITY OF YOUR WATCH

## Accuracy of mechanical watches

- The accuracy of mechanical watches is indicated by the "daily rate."
- The accuracy of mechanical watches may not fall within the specified range of time accuracy because loss/gain changes according to the position of the watch, which is dependent on the conditions of use, such as the length of time during which the watch is worn on the wrist, arm movement, and whether the mainspring is wound up fully or not, etc.
- The loss/gain of mechanical watches is not measured by a daily rate, but by daily rates of one week or so.
- Accuracy variation according to temperature

The parts that compose the accuracy of mechanical watches are made of metals. It is well known that metals expand or contract depending on temperatures due to metal properties. This exerts an effect on the accuracy of the watches. Mechanical watches tend to lose time at high temperatures while they tend to gain time at low temperatures.

#### ○ Mainspring wound condition and accuracy

In order to improve accuracy, it is important to regularly supply energy to the balance that controls the speed of the gears. The driving force of the mainspring that powers mechanical watches varies between when fully wound and immediately before it is unwound. As the mainspring unwinds, the force weakens. Relatively steady accuracy can be obtained by wearing the watch on the wrist frequently for the self-winding type and winding up the mainspring fully everyday at a fixed time to move it regularly for the wind-up mechanical type.

#### ○ Effect of magnetism

When affected by a strong magnetism from outside, the mechanical watch may lose/gain time. The parts of the watch may become magnetized depending on the extent of the effect.

In such a case, consult the retailer from whom the watch was purchased since the watch requires repair including demagnetizing.

## Troubleshooting

Troubles	Possible causes	Solutions
The watch stops operating.	The mainspring has not been wound.	Wind up the watch as per "How to wind the mainspring" $\rightarrow$ (P.18), and set the time. If the watch still does not operate, consult the retailer from whom the watch was purchased
	The watch has been left in extremely high or low temperatures for a long time.	Return the watch to a normal temperature so that it works accurately as usual, and then reset the time. The watch has been adjusted so that it works accurately when it is worn or your wrist under a normal temperature range between 5°C and 35°C.
The watch gains/loses time.	The watch has been left close to an object with a strong magnetic field.	Accuracy cannot be recovered. Restoring the original accuracy requires demagnetization (repair). Consult the retailer from whom the watch was purchased.
	You drop the watch, hit it against a hard surface, or wear it while playing active sports. The watch is exposed to strong vibrations.	If accuracy does not return after setting the time, consult the retailer from whom the watch was purchased.
	The watch has not been overhauled for more than 3 years.	Consult the retailer from whom the watch was purchased.

Troubles	Possible causes	Solutions
The date changes at 12 o'clock noon.	AM/PM is not properly set.	Advance the hands by 12 hours.
	A small amount of water has got inside the watch due to deterioration of the gasket, etc.	Consult the retailer from whom the watch was purchased.

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TO PRESERVE THE QUALITY OF YOUR WATCH

## Specifications

Cal.	8L35	8L55	
1. Features	3 hands (hour, minute, second), date display		
2. Vibrations per hour	28,800	36,000	
3. Loss/gain (daily rate)	+15 to -10 seconds at normal temperature range		
	Only if worn on the wrist in a temperature range of 5°C to 35°C.		
4. Driving system	Automatic winding type with manual winding mechanism		
5. Duration	Approx. 50 hours	Approx. 55 hours	
6. Jewels	26 jewels	37 jewels	

\* The accuracy above is factory-adjusted.

\* Due to the characteristics of mechanical watches, any actual daily rate may not fall within the range of time accuracy specified above dependent on the conditions of use, such as the length of time during which the watch is worn on the wrist, temperature, arm movement, and whether the mainspring is wound up fully or not, etc.

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