

BS9S85G-1107

GS
Grand Seiko

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<http://www.seiko-watch.co.jp>

MECHANICAL

9S85
取扱説明書
INSTRUCTION

SEIKO

Thank you for purchasing our Grand Seiko product.
For more than 100 years of timepiece making tradition and
the advancement of world-class technology,
Seiko has devoted its efforts to watch manufacturing
and inspections. In order to maintain superior performance
and proper and safe use of the Grand Seiko,
please read the instruction manual carefully before use.
We thank you in advance for long time regular use of our product.
Keep this manual handy for easy reference as necessary.

*Length adjustment service of metallic band is available at the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER (listed at the back of the booklet). The service may also be available on a chargeable basis at other retailers; however, some retailers may not undertake the service.



WARNING

To indicate the risks of serious consequences such as severe injuries unless the following safety regulations are strictly observed.



WARNING

Keep the watch and accessories out of the reach of babies and children.
Care should be taken to avoid dangers for a baby or a child to swallow the accessories.

If a baby or child swallows the accessories, immediately consult a doctor, as it will adversely affect the health of the baby or child.



WARNING

Immediately stop wearing the watch in following cases.

- When the watch body or band becomes edged by corrosion etc.
- When the pins protrude from the band.

※ Immediately consult the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER (listed at the back).



CAUTION

To indicate the risks of light injuries or material damages unless the following safety regulations are strictly observed.



CAUTIONS

Avoid following places to wear or keep the watch.

- Places where fugacious agents (cosmetics such as polish remover, bug repellent, thinner etc.) are diffusing
- Places where the temperature becomes below 5 °C or above 35 °C for a long time
- Places in high humidity
- Places affected by strong magnetism or static electricity
- Dusty places
- Places affected by strong vibrations



CAUTIONS

If you observe any allergic symptoms or skin fit

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



CAUTIONS

Other cautions

- Do not disassemble or tamper the watch.
- 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 itches that may be caused when they touch the watch.

CONTENTS	
HOW TO USE	
Names of the parts	48
HOW TO USE	49
GRAND SEIKO STANDARD	
Grand Seiko Standard	59
TO PRESERVE THE QUALITY OF YOUR WATCH	
After-sale service	68
Guarantee	70
Daily care	72
Water resistance	74
Magnetic resistance	78
Band	80
Trouble shooting	82
Specifications (Movement)	83

46

Product features

This is an automatic mechanical watch mounted with a caliber 9S85 exclusively for Grand Seiko.

- The balance wheel frequency is 36,000 beats per hour (10 beats a second), which is higher than that of typical GRAND SEIKO mechanical watches: 28,800 beats per hour (8 beats a second). As the balance wheel frequency increases, oscillations become more stable and better accuracy can be obtained.
- The winding method is automatic, employing a structure so that it is sufficiently wound by natural movement of the wrist while normally worn on the wrist. In addition, a manual winding mechanism is equipped, which is convenient for winding the mainspring when starting, etc.

⇒ For "HOW TO WIND THE MAINSPRING," refer to page 51.

- From the state of the mainspring being sufficiently wound, it continuously operates for 55 hours or more.

- For Grand Seiko mechanical watches, only completed products are shipped which have been carefully assembled and adjusted by dedicated craftsmen, and passed by exacting certification examinations which continue for 17 days according to the "Grand Seiko Standard," Seiko's exclusive accuracy standard of mechanical watches.

⇒ For details of the "Grand Seiko Standard," refer to pages 60 to 66.

47

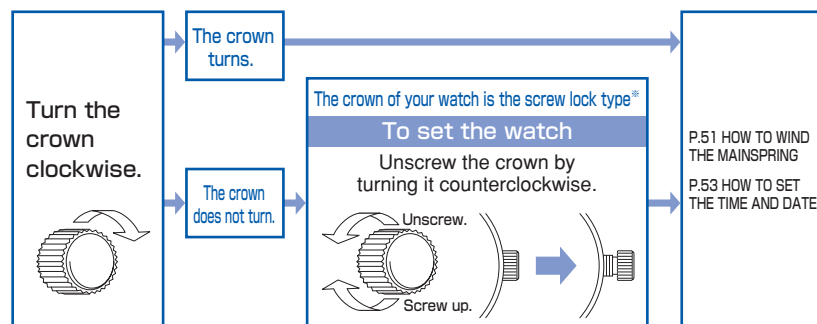
Names of the parts



48

HOW TO USE

Check the type of the crown of your watch



- ※ This type of crown can be screwed into the watch body to avoid being pulled out by mistake.
- After completing all settings of the watch, screw the crown up again by turning it clockwise while pressing it.
 - If the crown turns out to be too stiff to be screwed up, return the crown counterclockwise once and then give another try.
 - Do not screw the crown in by force as it may damage the screw part of the crown.

50

How to wind the mainspring

This watch is an automatic winding type (with manual winding function).

- The mainspring can be sufficiently wound automatically by natural movement of the arm while normally worn on the wrist. In addition, it can be wound by turning the crown.
- A stopped watch can be started by arm movement when it is worn on the wrist, however, before wearing the watch, wind the mainspring sufficiently and adjust the time and date. When turning the mainspring, turn the crown at the normal position clockwise (12 o'clock direction) slowly. If you turn the crown counterclockwise (6 o'clock direction), it will turn free. The mainspring is sufficiently wound when it is turned approximately 45 times. When the mainspring is in the full-winding state, it is structured so that the mainspring slips if it is wound. Therefore, it is not necessary to worry about cutting the mainspring, however, please refrain from excessive operation.
- From the state of the mainspring being sufficiently wound, it continuously operates for approximately 55 hours or more.

※ It is recommended that you wear the watch on your wrist more than 10 hours a day to keep the mainspring wound up. If the mainspring is not wound up sufficiently, the watch may lose or gain time. If you do not wear the watch on your wrist, wind the mainspring up sufficiently by turning the crown by hand every day at a fixed time.

51

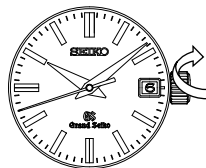
How to wind the mainspring

※ When the watch is used from a state in which the mainspring is unwound to a stop, it does not move immediately even if the mainspring is wound with the winding crown. This is because of the mechanical watch's feature that the mainspring torque (force) is weak at the beginning of mainspring winding. The second hand starts moving when the mainspring is wound to reach a certain degree of torque strength, while the watch can be made to move advance by shaking it to rotate the balance wheel forcibly.

Do not pull out the crown
(In the case of a screw lock type crown, release the lock.)



➡ **Slowly turn the crown clockwise to wind the mainspring.**



- When the mainspring approaches full-winding, turning of the crown is heavy more or less, however, this is caused by reaction force of the wound mainspring, which is not defective.
- It is structured so that the crown can be further turned in the full-winding state. Although it is not necessary to worry about cutting the mainspring, refrain from excessive turning.

Note

For models with a screw lock type crown, make sure to screw the crown up again after winding the mainspring

52

How to set the time and date

This watch is equipped with the date display function. The date changes once every 24 hours at around 12 o'clock a.m. Therefore, if the a.m./p.m. is incorrectly set, the date will change around 12 o'clock p.m.

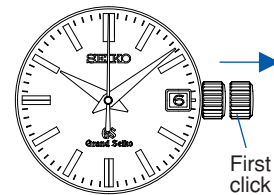
⚠ Caution

- Do not adjust the date between 10 o'clock p.m. and 1 o'clock a.m. If the date is adjusted during this period of time, the date may not change when the next day comes, or this may cause damage.

53

- ① Pull out the crown to the first click. (If the watch is equipped with the screw lock type crown, unscrew the crown before pulling it out.)
- ② The date can be adjusted by turning the crown clockwise (12 o'clock direction). First turn the crown clockwise until the previous day's date from the desired date appears.

(Ex.) If you want to set the date to "6," set the date to "5."

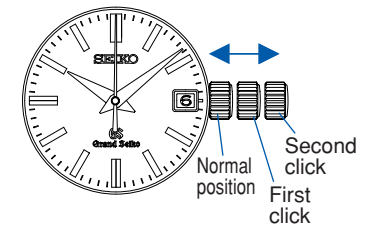


54

- ③ Pull out the crown to the second click when the second hand is at the 12 o'clock position. (The second hand stops.) Turn the crown clockwise until the desired date appears. When the date changes, the time is a.m. Further turn the crown to set the current time.

- ④ Push the crown back in to the normal position in accordance with a time signal. The watch starts operating.

※ The telephone time signal service (Tel. 117) is convenient to set the date.



Note

For models with a screw lock type crown, always screw the crown up again after setting the time and date.

55

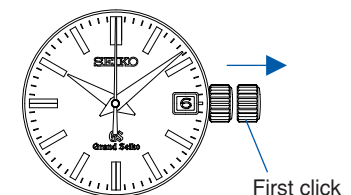
Date adjustment at the end of the month

⚠ Caution

- Due to its wheel train mechanism, for setting the time of the mechanical watch correctly, the hands should be set back once slightly and then set forward to the correct time.

It is necessary to adjust the date after February (which has 28 days, 29 days in a leap year) and a 30 day month.

[Ex.] On the first day of a 30 day month, "31" is displayed. Pull out the crown to the first click. Turn the crown clockwise to set the date to "1," and push the crown back in to the normal position.



Note

For models with a screw lock type crown, always screw the crown up again after setting the date.

57

56

⚠ Caution

- Do not adjust the date between 10 o'clock p.m. and 1 o'clock a.m. If the date is adjusted during this period of time, the date may not change when the next day comes, or this may cause damage.

58

GRAND SEIKO STANDARD

Grand Seiko standard

Due to the movement (driving body) structure, normal usage accuracy of a mechanical watch varies according to differences in environmental conditions of use such as winding state of the mainspring by movement amount of the wrist per day, temperature environment, and position = orientation of a watch.

"Grand Seiko Standard" is a Seiko-exclusive accuracy standard for mechanical watches, which has been established to check superior performance of Grand Seiko mechanical watches irrespective of differences in environmental conditions of use in which a watch is used.

For details of the "Grand Seiko Standard," refer to pages 61 to 63.

It is conditioned that all of Grand Seiko mechanical watches are to be passed by the "Grand Seiko Standard Examination" according to the exacting standard. Only products, in which the movement single unit before assembly in a case is measured for gain/loss (daily rate) under various environments which are artificially controlled in the manufacturing plant for 17 days in total, and the measured values fall under the standard range, are given the title of "Grand Seiko."

For normal usage accuracy when the watch is actually used by a customer, -1 to +8 seconds per day are specified as target values.

To properly judge the accuracy in the case of normal usage, check gain/loss by using for a week to ten days, not only for one day, in normal use condition.

If the mean value per day exceeds the above-mentioned target range, we will adjust the watch. (Adjustment is provided free of charge within two years after purchase. After the two-year period, adjustments are charged.) We will respond to the following cases at cost regardless of the period of time after purchase.

- Disorder in accuracy has occurred due to customer's carelessness such as, incorrect usage method or magnetizing the watch.
- Disorder in accuracy has occurred due to repair by another company.
- Disorder in accuracy has occurred due to natural disasters such as fire, flood or earthquake.
- Guaranteed conditions have been altered.

60

Description of Grand Seiko Standard

Item	Unit	Standard
Mean daily rate in different positions	Second/date	-3.0 ~ +5.0
Mean variation	Second/date	Less than 1.8
Maximum variation	Second/date	Less than 4.0
Difference between flat and hanging position	Second/date	-6.0 ~ +8.0
Greatest difference between the mean daily rate and any	Second/date	Less than 8.0
First variation of rate per 1°C (from 38°C to 8°C)	Second/date /°C	-0.5 ~ +0.5
Second variation of rate per 1°C (from 38°C to 8°C)	Second/date /°C	-0.5 ~ +0.5
Rate-resumption	Second/date	-5.0 ~ +5.0
Number of positions in inspection		6 positions
Condition of temperature in inspection		8, 23, 38°C
Total days of inspection		17 days

61

Description of Grand Seiko Standard Terminology

Item	Meaning
Position in inspection	5 orientations are specified by the International Standard ISO3158 so as to carry out various kinds of tests for time keeping. In addition thereto, in the GS examination, 12 o'clock Up position in the state where a watch taken off the wrist is placed, is added, 6 orientations are specified. (Dial Up, Dial Down, 12 o'clock Up, 3 o'clock Up, 6 o'clock Up, and 9 o'clock Up)
Mean daily rate	Mean value of a total of 12 daily rates measured in 6 different positions, respectively, for two days. This is a target value indicating basic gain/loss per day of a watch, however, it is required to comprehensively judge the actual accuracy performance in consideration of other items.
Mean variation	Mean value of a total of 6 variations of daily rates between the first day and second day when measured in 6 different positions for two days each. It indicates the degree which daily accuracy stabilizes in each position.
Maximum variation	Maximum value of a total of 6 variations of daily rates between the first day and second day when measured in 6 different positions for two days each. It indicates the degree which accuracy per day changes at maximum according to positions.

62

Item	Meaning
Difference between flat and hanging position	Indicates gain/loss in two positions at which a watch is most frequently used in daily life. It is a difference between mean daily rates for two days when a watch is placed in the dial Up position and mean daily rates for two days when a watch is placed in the 6 o'clock Up position.
Greatest difference between the mean daily rate and any individual rate	Maximum difference value between daily rates for twelve days in the test initial stage and mean daily rates. It indicates the degree at which the daily rate varies according to the manner for placing a watch.
First variation of rate per 1°C (between 38°C and 8°C)	Variation in daily rates per 1°C between 38°C and 8°C in the same position (Dial Up position). It indicates gain/loss in the temperature environment (taken-off state from the wrist) where a watch is used.
Second variation of rate per 1°C (between 38°C and 23°C)	Variation of daily rates per 1°C between 38°C and 23°C in the same position (Dial Up position). It indicates gain/loss in the temperature environment (worn state of the wrist) where a watch is used.
Rate-resumption	Value obtained by subtracting mean daily rates of initial two days from daily rate of the last examination day. It indicates the degree at which daily rate stabilizes after usage for a predetermined period.

63

Grand Seiko standard examination certificate

- Grand Seiko Standard Examination Certificate certifies the values of a movement single unit before assembly in a case which were measured under an artificially controlled environment in the manufacturing plant have passed the Grand Seiko Standard Examination. The certificate is printed with the caliber number, movement serial number, and case serial number.
- Normal usage accuracy of mechanical watches varies according to respective customer conditions of use (winding state of the mainspring by movement amount of the wrist per day, temperature environment, and position (orientation of a watch.) Accordingly, the actual normal usage accuracy when it is used by a customer may differ from the value of each item specified in the Grand Seiko Standard.

⚠ CAUTION

The Grand Seiko Standard Examination Certificate cannot be reissued when it has been lost. Also, it cannot be reissued after repair or adjustment.

64

Cautions for accuracy of mechanical watch

Mechanical watches have a mechanism that is moved by power generated when the mainspring is unwound, and small metal parts physically work together to control the accuracy. Fragile metal parts of a mechanical watch are easily influenced by external environment such as temperature, gravity, and shock, and conditions of use such as normal usage time and winding state of the mainspring, therefore, this influence appears as gain/loss of the watch.

① Accuracy of mechanical watch is "mean daily rate."

Accuracy of the quartz watch is indicated monthly or annually such as a monthly rate of ± 15 seconds or annual rate of ± 10 seconds. This indicates the degree of total difference in accuracy when the quartz watch is continuously used for a month or a year. To the contrary, accuracy of the mechanical watch is normally indicated as a "mean daily rate." Accuracy of the mechanical watch slightly varies each day as it is influenced by various conditions of use, and it is normally unstable. Then it is required to judge whether the accuracy is satisfactory or not by checking the mean values in the case of use for a week to ten days, but not for only one day. For normal usage accuracy of Grand Seiko mechanical watch mounted with a caliber 9S85, -1 to +8 seconds per day are specified as target values. If the mean value exceeds the above-mentioned target value in the normal usage condition when the watch is used for a week to ten days, we will adjust it.

* Adjustment is provided free of charge within two years after purchase. After the two-year period, adjustments are charged. However, please note that the parts that are age-deteriorated due to long duration of use may not be adjusted to your desired accuracy.

⇒ For details, refer to pages 60 and 68.

65

② Factor influencing accuracy -1 : Wound amount of the mainspring

In order to use the mechanical watch at better accuracies, it is required to supply a constant strong energy wherever possible to respective parts. In the state where the mainspring is fully wound, accuracy is stable, however, when the mainspring is unwound to weaken energy to be supplied, the parts controlling accuracy tends to be externally influenced, and accuracy becomes unstable. In order to use a mechanical watch at a steady accuracy, it is recommended to use it in a condition where the mainspring is sufficiently wound.

③ Factor influencing accuracy -2 : Temperature influence

Mechanical watch parts are metal which slightly elongate and contract by change in temperature, and this influences accuracy. Normally, under high temperatures, it tends to lose time, and under low temperatures, it tends to gain time.

④ Factor influencing accuracy -3 : Difference by position (orientation of a watch)

Parts related to accuracy of a mechanical watch are also influenced by the earth's gravity. For example, gain or loss differs when a watch is horizontally placed and when it is vertically placed in the 12 o'clock up position. When the watch is not worn on the wrist, accuracy errors that occur while wearing can also be compensated to some extent according to the position. Try to place it in various positions to find the position appropriate to your watch.

66

TO PRESERVE THE QUALITY OF YOUR WATCH

After-sale service

Replacement parts

- SEIKO makes it a policy to typically keep a stock of replacement parts for this watch for 10 years. Replacement parts are those which are essential to maintaining the functional integrity of the watch. 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.
- Depending on conditions of use, accuracy may not be recovered after the watch has been repaired.

Notes on 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.

68

- Inspection and adjustment by disassembly and cleaning (overhaul) of the model 9S85 will be performed by the Manufacturer. When you take the watch to the retailer from whom it was purchased, request that the watch be inspected and overhauled by the Manufacturer.
- For periodic inspection and overhaul, also request replacement of the gasket and push pin with new ones.

Repair and Guarantee

- Contact the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER for repair or overhaul.

Request

- For appropriate repair, be sure to inform the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER the nonconforming state (what seconds are lost/gained per day, etc.) and normal usage condition (normal usage time, frequency, orientation at which the watch is placed while taken off the wrist, etc.)
- If your watch gets out of order with the correct way of use as described in this instruction booklet within the guarantee period, take your watch to the retailer from whom your watch was purchased together with the certificate of guarantee.
- Guarantee coverage is provided in the certificate of guarantee. Read carefully and retain it.
- For any other questions, contact SEIKO CUSTOMER SERVICE CENTER.
→Refer to the contact information listed on the back of this booklet.

69

Guarantee

Within the guarantee period, we guarantee free repair/adjustment service against any defects according to the following guarantee regulations, provided that the watch was properly used as directed in this instruction booklet.

Guarantee coverage

- The watch body (movement, case) and metallic band.

Exceptions from guarantee

In following cases, repair/adjustment services will be provided at cost even within the guarantee period or under guarantee coverage.

- Exchange of leather, urethane, or fabric band
- Troubles or damage to the case, glass, or band, caused by accidents or improper usage
- Scratches or grime caused by use
- Troubles and damage caused by acts of god, natural disasters including fire, floods or earthquakes.
- Text in certificate has been altered.
- No certificate is presented.

70

Procedure to claim free repair services

- For any defects under guarantee, submit the watch together with the attached certificate of guarantee to the retailer from whom the watch was purchased.
- In the case where you cannot accept the guarantee from the retailer from whom the watch was purchased due to gift-giving or relocation, etc., ask SEIKO CUSTOMER SERVICE CENTER by attaching the certificate without fail.

Others

- For the watch case, dial plate, hands, glass, band etc., some alternative parts may be used for repair if necessary. Refer to page 64 of this booklet for retention period of the parts.
- For length adjustment service of metallic band, ask the retailer from whom the watch was purchased or SEIKO CUSTOMER SERVICE CENTER. Other retailer may undertake the service on a chargeable basis or may not undertake the service.
- Free repair services are guaranteed only under the period and conditions specified in the certificate of guarantee. It does not affect specific legal rights of a consumer.

71

Daily care

The watch requires good daily care

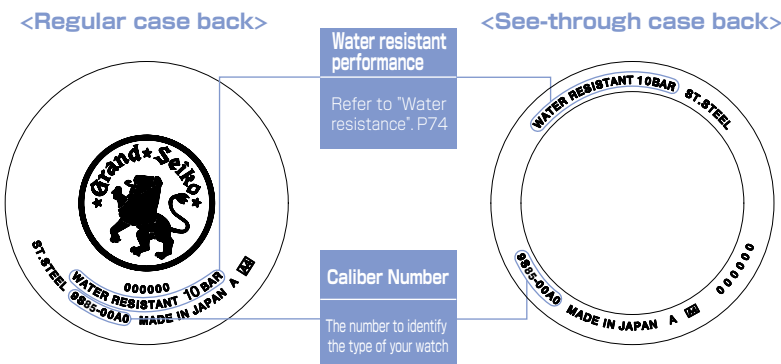
- Wipe out moisture, sweat or dirt with a soft cloth
- To clean up the clearances (around the metallic band, crown or back case), soft toothbrush is convenient.
- After soaking the watch in seawater, be sure to wash the watch in impounded real water and wipe it dry carefully. Do not pour running water directly from faucet onto the watch. Place water in a vessel, etc., to wash the watch.

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 lock type crown.
(No need to pull out the crown.)
⇒Refer to "Check the type of the crown of your watch" on page 50.

72

The case back shows the caliber and performance of your watch



※The above figures are examples. Both of them may be different from the figure on the case back of your watch.

73

Water resistance

Refer the table below for the description of each degree of water resistant performance of your watch before using.

(Refer to page 73 for checking the case back.)

Indication on the case back	Water resistant performance
WATER RESISTANT	Water resistance for everyday life
WATER RESISTANT 10BAR	Water resistance for everyday life at 10 barometric pressures
WATER RESISTANT 20BAR	Water resistance for everyday life at 20 barometric pressures.

74

Condition of Use
The watch withstands accidental contact with water in everyday life. ⚠ WARNING Not suitable for swimming
The watch is suitable for diving not using an air cylinder.
The watch is suitable for diving not using an air cylinder.

75

⚠ WARNING



Do not use the watch in scuba diving or saturation diving.

The various tightened inspections under simulated harsh environment, which are usually required for watches designed for scuba diving or saturation diving, has not been conducted on the water-resistant watch with the BAR (barometric pressure) display. For diving, use special watches for diving.

⚠ CAUTION

※ 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 (listed on the back).



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

Water may get inside of the watch.

76

⚠ CAUTION



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 the deterioration of the adhesive on the glass or gasket, or the rust of stainless steel.



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

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



Do not pour running water directly from faucet.

The water pressure of tap water from a faucet is high enough to degrade the water resistant performance of a water resistant watch for everyday life.

77

Magnetic resistance (Magnetic influence)

- Grand Seiko mechanical watches conform to the Magnetic Resistance Standard* of JIS Class 1, and the mechanical watch has magnetic resistance to maintain performance in most cases even where it is brought close to (at least 5cm spaced from) equipment generating a magnetic field in normal life. However, the movement part is magnetized when it encounters a strong magnetic field, thereby accuracy may go out of order. Pay attention so as not to bring the watch close to equipment (health appliances, speakers, and mobile phones using a magnet) generating a strong magnetic field within 5cm.
- If the accuracy exceeds the accuracy target range (-1 to +8 seconds/day) during normal usage due to magnetization, removal of magnetism and accuracy readjustment works are charged regardless of the guarantee period.
- *JIS Antimagnetic Standard Class 1 means standard class 1 specified by JIS B 7024 (Antimagnetic watches - Classification and Performance), which is an antimagnetic standard tolerable to a DC field of 4800A/m.

78

Examples of common magnetic products that may affect watches



Cellular phone (speaker)

Magnetic health belt



Bag (with magnet buckle)

Magnetic necklace



AC-powered shaver

Magnetic health mat



Portable radio (speaker)

Magnetic health pillow

Magnetic cooking device etc

79

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 fit or stain on the sleeve edge. The watch requires a lot of attention for a long usage.

Metallic band

- Moisture, sweat or soil will form rust even on a stainless steel band if they are left for a long time.
- Lack of care may cause 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 up 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 splash by wrapping it up with plastic wrap etc.)
- Because some titan bracelets 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 bracelet, 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.

80

Leather band

- Leather band is susceptible to discoloration and deterioration from moisture, sweat and direct sunlight.
- Wipe moisture and sweat dry as soon as possible by gently blotting them up with a dry cloth.
- Do not leave the band under direct sunlight.
- Be careful to use a light-colored band because stains are highly visible.
- Refrain from wearing a leather band watch while bathing, swimming, and when working with water even if the watch itself is water-resistant enforced for daily use (10-BAR water resistant).

Notes on skin fit and allergy

Skin fit caused by band has various reasons such as allergy to metals or leathers, or skin reactions against rubs on dust or the band itself.

Notes on the length of the band

Adjust the band with a little clearance with your wrist to ensure proper airflow. Make a room for one finger around your wrist when you wear the watch.



81

Troubleshooting

Trouble	Possible Cause	Solution
The watch stops operating.	The remaining power for driving the watch has been consumed.	Wind the mainspring according to the "HOW TO WIND THE MAINSPRING" to readjust the time before use.
The watch temporarily gains/loses time.	The watch was brought into close contact with a magnetic object.	By distancing magnetism, accuracy is recovered. Readjust the time. If accuracy is not recovered, consult the retailer from whom the watch was purchased.
	The watch was dropped, worn while playing active sports, hit against hard surfaces, or exposed to strong vibrations.	Accuracy cannot be recovered. Consult the retailer from whom the watch was purchased.
	Inspection, adjustment, and overhaul cleaning have not been performed for the watch for more than 3 years	Consult the retailer from whom the watch was purchased.
The date changes during daytime.	AM/PM is not correctly set.	Advance the hour hand for 12 hours and reset the time and date.
Blur in the display persists.	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.

※For the solution of troubles other than above, contact the retailer from whom the watch was purchased.
82

Specifications (Movement)

Caliber no.	9S85
Features	Hour Hand, Minute Hand, Second Hand, Date.
Vibrations	36.000/hour (10/second)
Loss/gain	Mean daily rate*: -3 to +5 seconds
Driving system	Automatic winding type with manual winding function
Duration	For 55 hours or more. *From the state of the mainspring being sufficiently wound
Jewels	37 jewels

Mean daily rate*: is a mean value of daily rates in a condition where the movement before assembly in a case are measured in 6 positions in a fixed manner under artificially controlled environment for 12 days.

Caution : Depending on conditions of use (such as normal usage time, temperature environment, and winding state), accuracy may exceed the above-mentioned range. Therefore, for normal usage accuracy when it is actually used, -1 to +8 seconds per day are specified as target values

※The specifications are subject to change without prior notice due to product improvement.

83

グランドセイコー専用フリーダイヤル 0120-302-617

受付時間：月曜日～金曜日 9:30～21:00
土曜・日曜・祝日 9:30～17:30

お客様相談室

〒100-0005 東京都千代田区丸の内 3-1-1 国際ビル
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