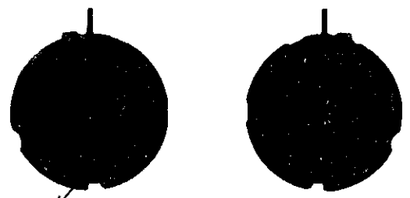
SEIKO



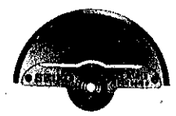
Cal. 5619A

Characteristics

Casing diameter: 25.60 ϕmm
Maximum height: 4.25 mm
Vibrations per hour: 21,600
Automatic and auxiliary hand winding with sweep second and sub-hour hand
Calendar (date)
Instant date and sub-hour hand setting (rotating crown)
Second-setting device
Micro-adjustor
"Diashock" Shock Resistant Device
"Diafix" Oil Lubrication Device

271 569

376 569



509 555

981 569

990 569

Catalog No. 72—11

As for all other parts not shown here, please refer to the basic calibre (Cal. No. **5606A** 23J 25J Catalog No. 56-06-1 Green page).

Calibre No. **5619A**	Jewels **23j**	Style Name
⇨ Basic Calibre **5606A** 23J 25J Catalog No. 56-06-1		

PART NO.	LIST OF MATERIALS
112 560	Barrel & train-wheel bridge (with crown wheel)
161 560	Pallet cock
171 560	Balance cock (with micro-adjustor wheel)
189 560	Transmisson wheel bridge
205 560	Complete barrel with arbor
213 560	Barrel arbor
220 560	Large driving wheel & pinions
225 560	Cannon pinion
231 560	Third wheel & pinion
241 560	Sweep second wheel & pinion
251 560	Escape wheel & pinion
261 560	Minute wheel
271 569	**Hour wheel (with sub-hour hand wheel)**
282 560	Clutch wheel
283 560	Winding pinion
285 560	Ratchet wheel
301 560	Jewelled pallet fork & staff
310 560	Balance complete with stud
315 560	Balance staff
331 560	Roller with jewel
341 560	Regulator
345 612	Stud holder
354 560	Winding stem
361 560	Second-setting lever spring
367 560	Minute wheel spring
376 569	**Hour wheel guard**
381 560	Click
☆ 383 560	Setting lever
☆ 383 561	
☆ 383 562	
384 560	Yoke (Clutch lever)
385 560	Yoke spring (Clutch lever spring)
387 560	Minute wheel bridge
388 560	Setting lever spring
390 560	Setting lever axle
391 560	Second-setting lever
401 560	Mainspring with slipping attachment
014 363	Diashock upper frame
014 384	Diashock lower frame
014 365	Diashock hole jewel with frame
011 210	Diashock cap jewel
014 317	Diashock spring
015 421	Diafix upper hole jewel with frame for 3rd wheel
015 411	Diafix upper hole jewel with frame for escape wheel
011 206	Diafix cap jewel
015 113	Diafix spring
509 555	**Oscillating weight with ball-bearing**
505 560	Transmission wheel
531 560	Differential wheel
848 560	First reverser idler
851 560	Second reverser idler
854 560	Reverser idler bolt
☆ 801 560	Date dial
802 560	Date driving wheel
803 560	Setting wheel lever complete
808 560	Date dial guard
810 560	Date jumper
812 560	Setting wheel lever spring
817 610	Intermediate date wheel

PART NO.	LIST OF MATERIALS
☆ 884 560	Holding ring for dial
981 569	**Day-date corrector wheel rocker**
986 560	Day-date corrector wheel rocking lever
987 560	Day-date corrector wheel rocking lever spring
989 560	Intermediate wheel for sub-hour hand correction
990 569	**Date driving wheel holder**
022 150	Stud screw
022 252	Transmission wheel bridge screw
022 257	Screw for day-date corrector wheel rocking lever spring
022 373	Pallet cock screw
022 454	Screw for reverser idler bolt
022 458	Screw for oscillating weight
022 467	Ratchet wheel screw
022 482	Intermediate wheel screw for sub-hour hand correction
022 484	Bridge screw
022 486	Minute wheel bridge screw
022 662	Setting lever spring screw
022 667	Second-setting lever screw
022 673	Screw for date driving wheel
022 674	Screw for day-date corrector wheel roking lever
022 753	Date dial guard screw
022 753	Hour wheel guard screw
022 761	Dial screw
011 147	Upper hole jewel for large driving wheel & pinions
011 147	Lower hole jewel for large driving wheel & pinions
011 323	Lower hole jewel for 3rd wheel
011 423	Lower hole jewel for escape wheel
011 503	Upper hole jewel for pallet
011 503	Lower hole jewel for pallet
011 147	Lower hole jewel for 1st reverser idler
011 151	Upper hole jewel for differential wheel
011 133	Lower hole jewel for differential wheel
011 159	Upper hole jewel for transmission wheel
011 159	Lower hole jewel for transmission wheel
023 179	Tube for minute wheel bridge screw
023 180	Tube for bridge screw (Cylinder type)
023 184	Tube for bridge screw (Recessed type)

☆⇨ Please see remarks on the next page.
Items in light letters are not shown in photos; those parts are interchangeable with the basic calibre (Cal. No. **5606A** 23J 25J Catalog No.56-06-1 Green page).

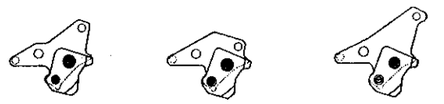
Calibre No.	Jewels	Style Name
5619A	**23j**	
◁▷ Basic Calibre **5606A** 23J 25J Catalog No. 56-06-1		

Remarks :

Setting lever

There are three types of setting levers, used according to the dial diameter. Select the suitable setting lever by referring to the shapes indicated in fig. 1.
When a setting lever unsuitable for the dial diameter is used, the winding stem cannot be pulled out or the movement cannot be assembled in the case. Pay attention to this point (refer to fig. 2).

〔fig. 1〕



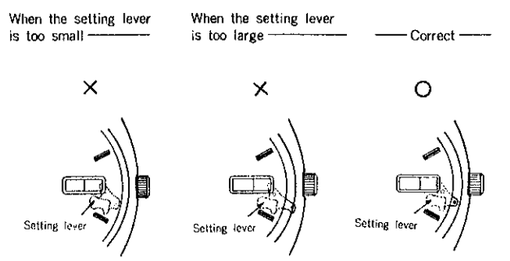
☆383 560　　☆383 561　　☆383 562

When the dial is round, the number of the setting lever differs (listed below) according to the dial diameter.

(Dial diameter) 25.5～26.5 ϕ mm ·····☆383 561
(　〃　) 27.5～28.5 ϕ mm ·····☆383 560
(　〃　) 29.5～30.5 ϕ mm ·····☆383 562

If the number of the setting lever is unknown or when placing an order for a setting lever other those mentioned above, specify ① Cal. No. and ② the dial No.

〔fig. 2〕



Setting lever is hidden under the dial and the winding stem cannot be pulled out.

Blocked by the setting fever, the movement cannot be assembled in the case.

End of the setting lever is located between the dial and the case.

Date dial

☆801 560····· Used when both the crown and the date frame are located at **3** o'clock.

If the date dial is required in any other type, specify ① Cal. No. ② the crown position ③ the date frame position and ④ the dial. No.

Holding ring for dial ——— Measure the total thickness and the outside diameter ———

☆884 560····· 0.53 mm total thickness and 27.0 ϕ mm outside diameter.

If the holding ring for dial is required in any other type, specify ① Cal. No. and ② the dial No.

5619A SEIKO DUAL-ZONE TIMER

1) Specifications

Casing diameter	25.60 mm
Height	4.25 mm
Vibrations per hour	21,600

Automatic winding (with auxiliary handwinding device)
Calendar (date) with instant date setting mechanism.
Second-setting device
Sub-Hour Hand (with Sub-hour hand setting device)

2) Features

In addition to the ordinary hour, minute, and second hands of conventional watches, the SEIKO Dual-Zone Timer has a special "Sub-Hour Hand" interlocked with the hour hand. With this Sub-Hour Hand, easily adjustable by manipulating the crown, both the local time and the wearer's own country's standard time can simultaneously be known when traveling abroad. All it requires is previously setting the hand to the paticular local standard time. Another unique feature is that the Sub-Hour Hand can be set independently of the ordinary timekeeping operation of the watch. Thus, you can change the Sub-Hour Hand as often as you wish, and still maintain uninterrupted accurate time.

3) Disassembly and Assembly

Calendar and Sub-Hour Hand mechanisms

Disassemble in the order given by Fig. Nos. (1) through (17).
Assemble in the reversed order.

For disassembling and assembling of other mechanisms, the procedures are the same as in 5606A (see 5606A, Disassembly and Assembly).

4) Lubrication

Colored symbols given with the figures indicate types of oil, lubrication quantity and points.

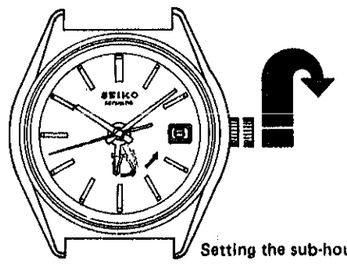
Types of oil

- Moebius Synt-A-Lube
- SEIKO watch oil S-6

Oil quantity

- Extremely small quantity
- Normal quantity
- Sufficient quantity
- ⊗ Oil must not be applied.

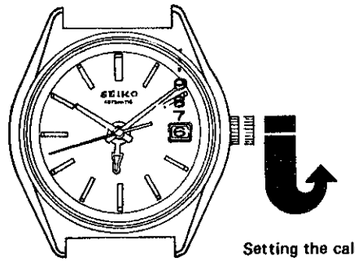
Handling Instructions



Setting the sub-hour hand

To set the Sub-Hour Hand

Sub-Hour Hand adjustment is made at the first click position of the crown by turning it clockwise. Since the Sub-Hour Hand moves at one-hour intervals, rotate it by the time difference between the two places you want to refer to.



Setting the calendar

To set the Calendar

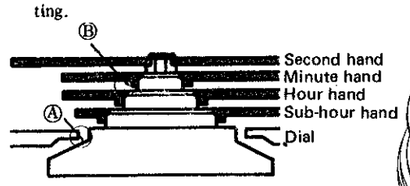
Pull the crown out to the first click and turn it counterclockwise.

Note: You cannot make calendar changes manually between 9:00 p.m. and 1:00 a.m.

5619A Calendar and Sub-Hour Hand Mechanisms

Caution when Assembling

- After mounting the dial check clearance between dial and hour wheel. (Section A)
- After fitting the hands, check clearance between the minute hand tube and hour wheel. (Section B)
- Check movement of the date indicator, as well as the clearance between hands.
- Check the condition of second-setting.



Note

When fitting the sub-hour hand, turn the crown clockwise at first click position to stabilize the sub-hour hand wheel, and then change crown to second click and continue hand-setting until the day indicator settles in the specified position.
Then, push in the hour hand by aligning the center of sub-hour hand with the center of hour hand.

Note

Check the condition of the date dial and the hour wheel movements by turning the crown to right and left at first click position.

The arrow-marked portion of the cannon pinion of 5619A is not to be pressed. Since the torque for hand-setting is adjusted to the large driving wheel and pinions, do not press this portion.

Note

The hour wheel cannot be disassembled.
Clear the hour wheel only when the sub-hour hand cannot be corrected or smoothly adjusted. Normally when assembling or disassembling, cleaning the hour wheel is unnecessary.

After cleaning the hour wheel, dip it completely in a solution of benzine and Moebius Synt-A-Lube (approx. 50 to 1), and let it dry at room temperature before assembling.

In setting the sub-hour hand, note that only the oblique-lined portion rotates, enabling it to be set.

Lubrication points of hour wheel