



Seiko 5G23A Movement Parts (1)

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PARTS CATALOGUE/ TECHNICAL GUIDE

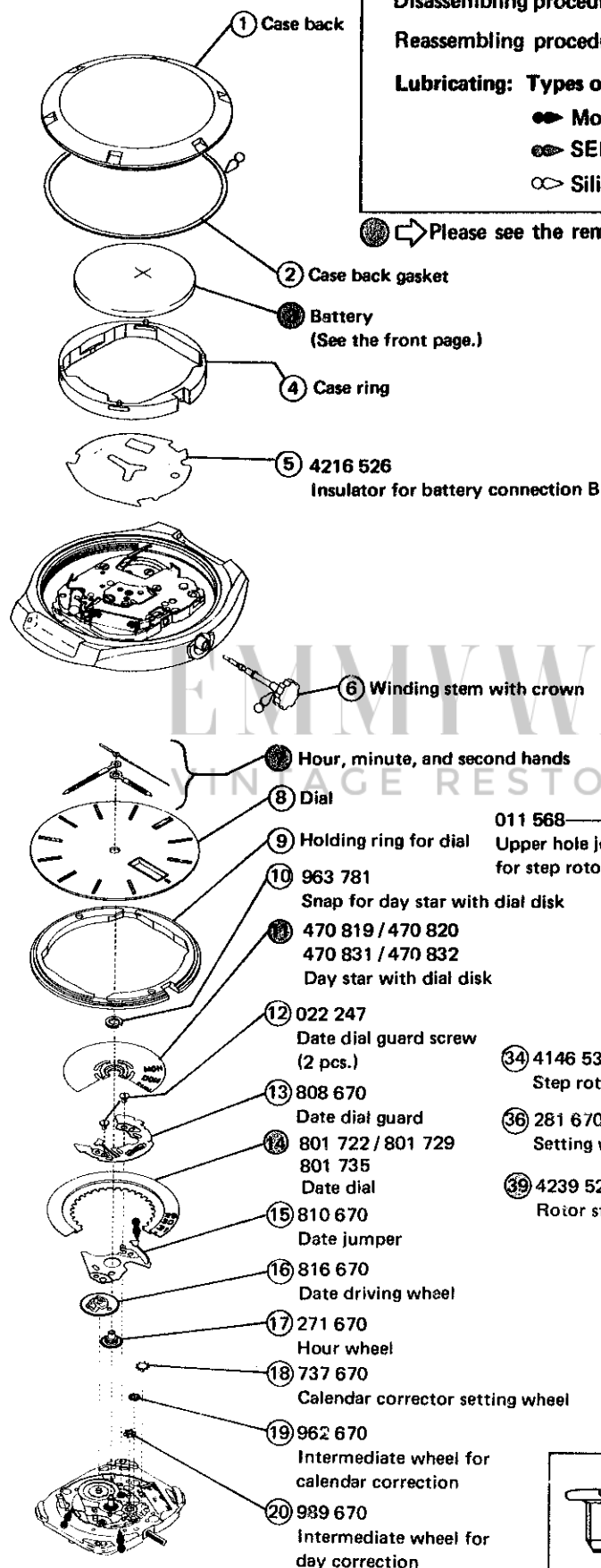
Cal. 5G23A

[SPECIFICATIONS]

Item		Cal. No.	5G23A
Movement		 (x 1.5)	
Movement size	Outside diameter	ϕ 25.4 mm 19.0 mm between 3 o'clock and 9 o'clock sides 22.0 mm between 6 o'clock and 12 o'clock sides	
	Casing diameter	ϕ 23.3 mm 19.0 mm between 3 o'clock and 9 o'clock sides 21.0 mm between 6 o'clock and 12 o'clock sides	
	Height	3.8 mm including battery portion	
Time indication		3 hands	
Driving system		Step motor (Load compensated driving pulse type)	
Additional mechanism		<ul style="list-style-type: none"> • Day and date calendar • Instant calendar setting device • Train wheel setting device • Electronic circuit reset switch • Battery life indicator 	
Loss/gain		Monthly rate at normal temperature range: less than 15 seconds	
Regulation system		Nil	
Measuring gate by quartz tester		Use 10-second gate.	
Battery		Lithium battery, Matsushita CR2012 Battery life is approximately 10 years. Voltage: 3V	
Jewels		1 jewel	

PARTS CATALOGUE

Cal. 5G23A



Disassembling procedures Figs.: ① → ④③

Reassembling procedures Figs.: ④③ → ①

Lubricating: Types of oil

● Moebius A

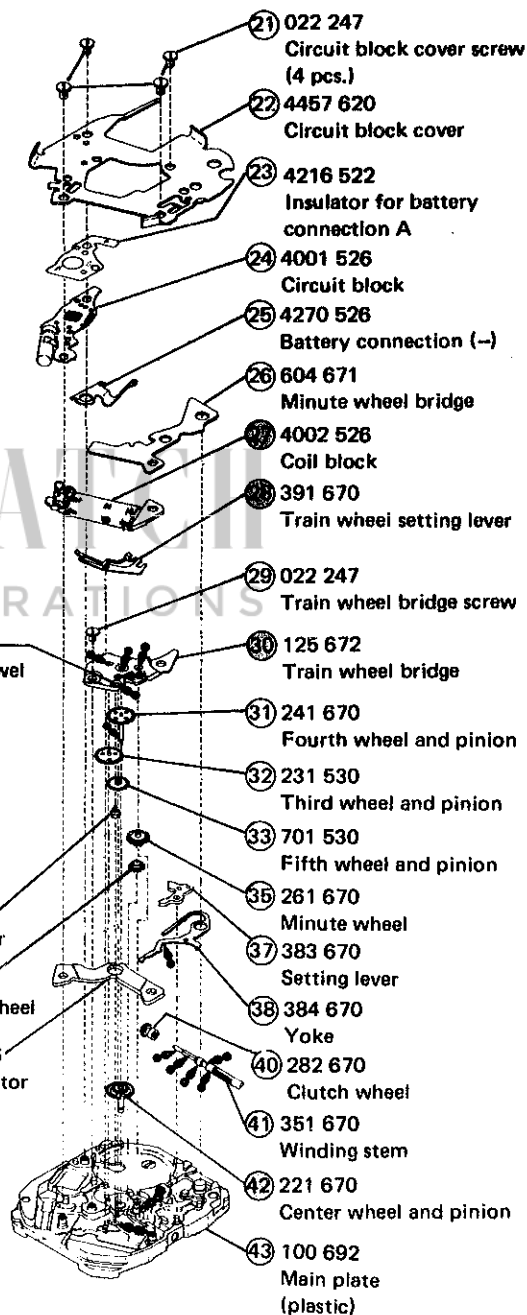
● SEIKO Watch Oil S-6

○ Silicone oil 500,000 c.s.

Oil quantity

○ Normal quantity

☞ Please see the remarks on the following pages.



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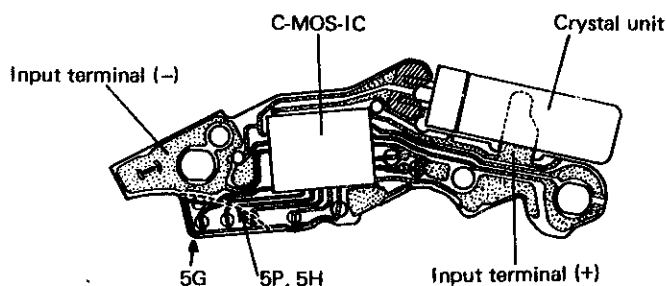
Circuit block cover screw (4 pcs.)

Train wheel bridge screw (1 pc.)

Date dial guard screw (2 pcs.)

- The explanation here is only for the particular points of Cal. 5G23A.
- For the repairing, checking and measuring procedures, refer to the "TECHNICAL GUIDE, GENERAL INSTRUCTIONS".

I. STRUCTURE OF THE CIRCUIT BLOCK



Cal. 5G23A's circuit block closely resembles that of Cal. 5P or 5H Series in appearance. They, however, really differ from each other in shape. Refer to the illustration above to distinguish them.

II. REMARKS ON DISASSEMBLING AND REASSEMBLING

Use the universal movement holder for disassembling and reassembling. When disassembling or reassembling the calendar mechanism, be sure to set the case ring to the movement in advance.

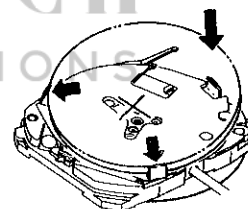
③ Battery

• How to remove

Insert the tips of tweezers under the battery on the circuit block cover and pry the battery up. (Be careful not to break the coil wire.)

• How to install

Place the battery on the circuit block cover so that it is properly caught by the circuit block cover's two hooks, and then set the circuit block cover in position by pressing it in the respective directions of the arrows as shown in the illustration on the right.



⑦ Hands

• Remarks on installing

When installing the hands, insert a battery in the movement and place the movement on a flat metal plate or the like, escaping the spring portion of the circuit block cover.

⑪ Day star with dial disk

Parts Code	Language
470 819	English ↔ Spanish
470 820	English ↔ French
470 831	English ↔ Spanish
470 832	English ↔ French

For details, please refer to "List of Day Star with Dial Disk".

If any other type of day star with dial disk is required, please specify the number inscribed on the disk.

⑭ Date dial

Parts code	Ground color	Figure color
801 722	White	Black
801 729	White	Black
801 735	Black	White

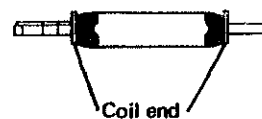
For details, please refer to "List of Date Dial".

If any other type of date dial is required, please refer to "SEIKO Casing Parts Catalogue".

②7 Coil block

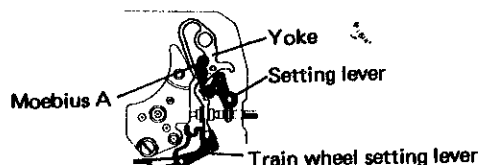
- How to identify Cal. 5G23A's coil block

In distinction from that of Cal. 5P or 5H Series, Cal. 5G23A's coil end is colored red. (The latter also differs from the former in resistance and can be easily identified by measuring its resistance value.)



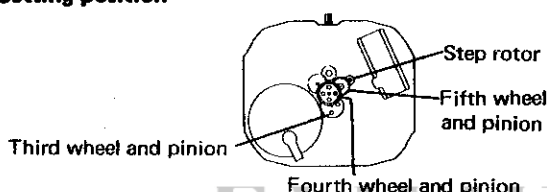
②8 Train wheel setting lever

- Setting position and lubricating

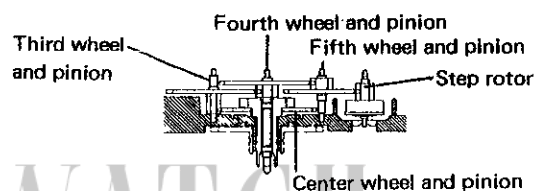


③0 Train wheel bridge

- Setting position



[Cross section]



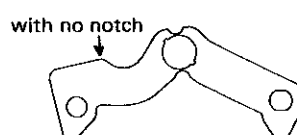
③9 Rotor stator

- How to identify Cal. 5G23A's rotor stator

Cal. 5G23A's rotor stator resembles that of Cal. 5P, 5H or 7F Series in appearance. They, however, differ in performance, and it is necessary to use the proper rotor stator. Refer to the illustrations below to distinguish them.



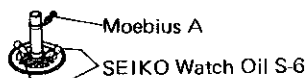
Cal. 5G Series



Cal. 5P, 5H, and 7F Series

④2 Center wheel and pinion

- Lubricating



III. VALUE CHECKING

- Coil block resistance

5.3K Ω ~ 5.8K Ω

- Current consumption

For the whole of the movement : less than 0.8 μ A

For the circuit block alone : less than 0.3 μ A

Remarks:

When the current consumption exceeds the standard value for the whole of the movement but is less than the standard value for the circuit block alone, overhaul and clean the movement parts and then measure current consumption for the whole of the movement again. The driving pulse generated to compensate a heavy load that may apply on the gear train, etc. is considered to cause excessive current consumption for the whole of the movement.