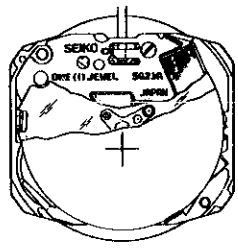
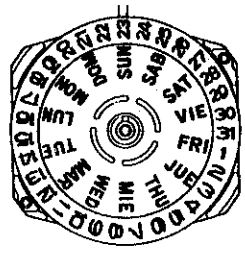
PARTS CATALOGUE/TECHNICAL GUIDE

Cal. 5G23A

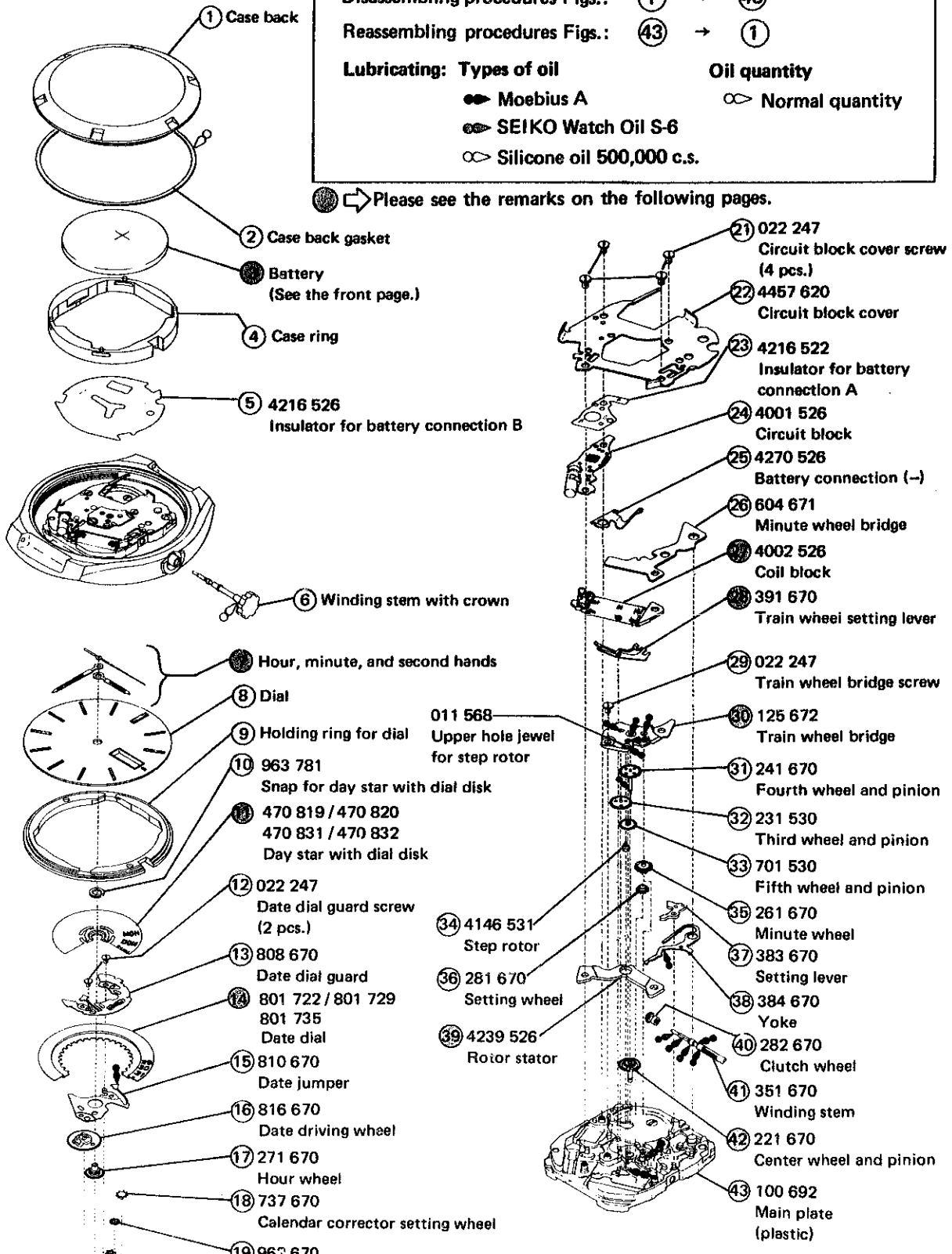
[SPECIFICATIONS]

Item \ Cal. No.		5G23A
Movement		  (x 1.5)
Movement size	Outside diameter	ϕ25.4 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	ϕ23.3 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		• 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

HATTORI SEIKO CO., LTD.

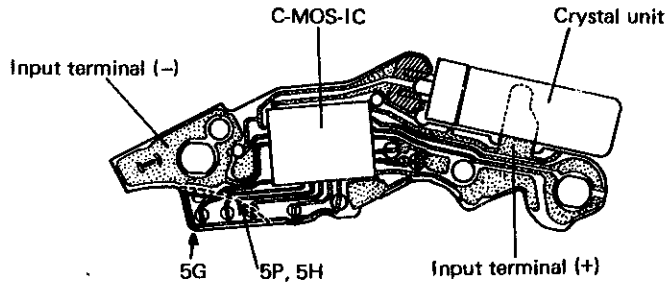
PARTS CATALOGUE

Cal. 5G23A



- 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.

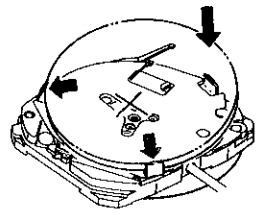
II. REMARKS ON DISASSEMBLING AND REASSEMBLING

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

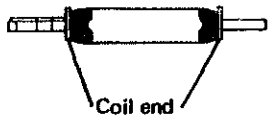
Parts code	Ground color	Figure color
801 722	White	Black
801 729	White	Black
801 735	Black	White

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

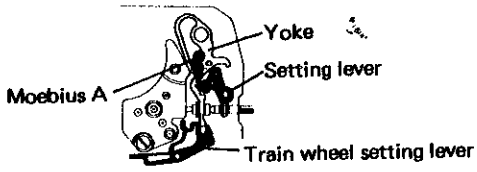
- **How to identify Cal. 5G23A's coil block**

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.)



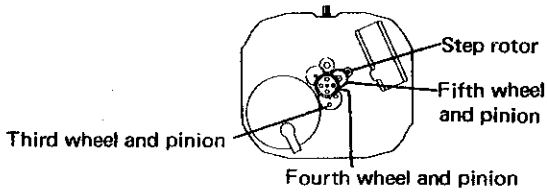
㉘ Train wheel setting lever

- **Setting position and lubricating**

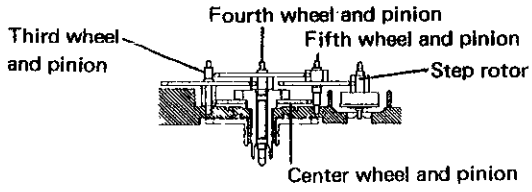


㉚ Train wheel bridge

- **Setting position**



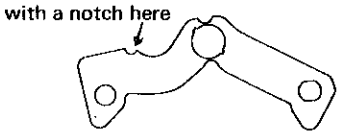
[Cross section]



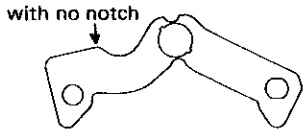
㊴ Rotor stator

- **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.



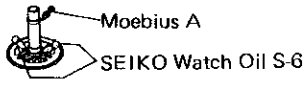
Cal. 5G Series



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

㊷ Center wheel and pinion

- **Lubricating**



III. VALUE CHECKING

- Coil block resistance

  5.3KΩ ~ 5.8KΩ

- Current consumption

  For the whole of the movement : less than 0.8μA
  For the circuit block alone : less than 0.3μA

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.

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