PARTS CATALOGUE/TECHNICAL GUIDE

Cal. 5H22A Cal. 5H23A

[SPECIFICATIONS]

	Cal. No.	5H22A	5H23A		
Item		01122A	0112074		
Movement					
		SEING CHING OF THE STATE OF THE	SZ/M7 (SZ/M) VIE BO VIE		
		*The illustrations r	efer to Cal. 5H23A.		
	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			
Movement size	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	2.8 mm			
Time indication		3 hands			
Driving syste	m	Step motor (Load compensated driving pulse type)			
Additional mechanism		Date calendar	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 the 10-second gate.			
Battery		SEIKO SR920SW, Maxell SR920SW, SONY EVEREADY 371 Battery life is approximately 5 years. Voltage: 1.55V			
Jewels		3 jewels			

Disassembling procedures Figs. Reassembling procedures Figs. Oil quantity Lubricating: Types of oil Normal quantity Moebius A SEIKO Watch Oil S-6 (15) Battery Ex.: Cal. 5H23A (See the front page.) Circuit block cover screw (4 pcs.) 4457 500 (Cal. 5H23A) (1) Hour, minute, and second hands 4457 502 (Cal. 5H22A) Circuit block cover 4216 522 Battery connection insulator (2) Dial 4001 521 Circuit block (3) Holding ring for dial 4270 521 Battery connection (--) (4) 963 781 (Only for Cal. 5H23A) 604 670 Snap for day star with dial disk Minute wheel bridge Day star with dial disk 4002 521 Coil block 6 022 247 391 670 Date dial guard screw (2 pcs.) Train wheel setting lever (7) 808 670 (Cal. 5H23A) 808 671 (Cal. 5H22A) Yoke Date dial guard 011 325 Upper hole jewel. 8 Date dial Engages. for fourth wheel 9 810 670 011 568 Frain wheel Upper hole jewel-Date jumper setting lever for step rotor 022 247 816 670 (Cal. 5H23A) Train wheel bridge screw 816 671 (Cal. 5H22A) 125 670 Date driving wheel Train wheel bridge (11) Hour wheel Fourth wheel and pinion 737 670 231 670 Date corrector setting wheel Third wheel and pinion 962 670 701 670 Intermediate wheel for Fifth wheel and pinion calendar correction 989 670 261 670 Intermediate wheel for Minute wheel day correction 384 670 29 4146 530 Yoke Step rotor 282 670 281 670 Clutch wheel Setting wheel Winding stem 383 670-Setting lever (37) Center wheel and pinion 4239 521 -Rotor stator Lubricating 011 547 Lower hole jewel for step rotor Please see the remarks on the following pages.

Remarks:

- (3) Holding ring for dial 865 556
- (36) Winding stem 351 105, 351 670

The types of these parts depend on the design of each model.

Refer to "SEIKO Casing Parts Catalogue" to choose corresponding parts.

(5) Day star with dial disk (Only for Cal. 5H23A)

Part code	Position of crown & calendar	Language	Color of figure	Color of background
470 819	3 o'clock	English ↔ Spanish	Black	White
470 824	3 o'clock	English ↔ Jananese	Black	White

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

(8) Date dial

Part code	Position of crown & calendar	Color of figure	Color of background
801 722	3 o'clock	Black	White
801 723	3 o'clock	White	Black

If any other type of date dial is required, please specify (1) Cal. No., (2) the crown position, (3) the calendar frame position, and (4) Dial No.

(14) Intermediate wheel for day correction 989 670 (Only for Cal. 5H23A)

The intermediate wheel for day correction is available in two types: one with a mount and the other without a mount. They can be used interchangeably.

[with mount]

[without mount]





(28) Fifth wheel and pinion 701 670

The fifth wheel and pinion is available in two types: one with a hole and the other without a hole. They can be used interchangeably.

[with hole]

[without hole]





- (11) Hour wheel
- 5 (26) Fourth wheel and pinion
 - (37) Center wheel and pinion

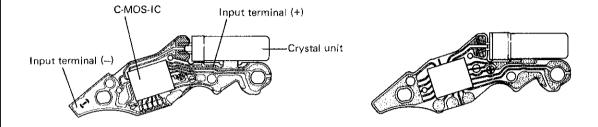
Combination:

Туре	Center wheel and pinion	Fourth wheel and pinion	Hour wheel	Main plate (Center part)
а				
	221 672	241 676	271 672	
b			The second of	
	221 670	241 670	271 670	

- The explanation here is only for the particular points of Cal. 5H22A and 5H23A.
- For the repairing, checking and measuring procedures, refer to the "TECHNICAL GUIDE, GENERAL INSTRUCTION".

I. STRUCTURE OF THE CIRCUIT BLOCK

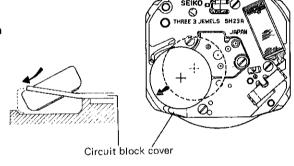
There are two types of circuit block, and they can be used interchangeably.



II. REMARKS ON REASSEMBLING

- (15) Battery
- Installing

Install the battery from the direction of the train wheel bridge.



III. VALUE CHECKING

- Coil block resistance
 - 2.7K $\Omega \sim 3.2$ K Ω
- Current consumption

For the whole of the movement : less than $0.9\mu A$ For the circuit block alone : less than $0.4\mu A$

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