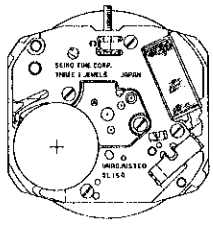
PARTS CATALOGUE/TECHNICAL GUIDE

Cal. 5L14A

Cal. 5L15A

[SPECIFICATIONS]

Item \ Cal. No.		5L14A	5L15A
Movement		  The illustrations refer to Cal. 5L15A. (x 1.0)	
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	2.8 mm	
Time indication		2 hands	3 hands
Driving system		Step motor (Load compensated driving pulse type)	
Additional mechanism		Date calendar	
		Instant date 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		SEIKO SR920SW, Maxell SR920SW, SONY EVEREADY 371 Battery life is approximately 5 years. Voltage: 1.55V	
Jewels		3 jewels	

HATTORI SEIKO CO., LTD.

PARTS CATALOGUE

Cal. 5L14A, 5L15A

Disassembling procedures Figs.: (1) → (34)

Reassembling procedures Figs.: (34) → (1)

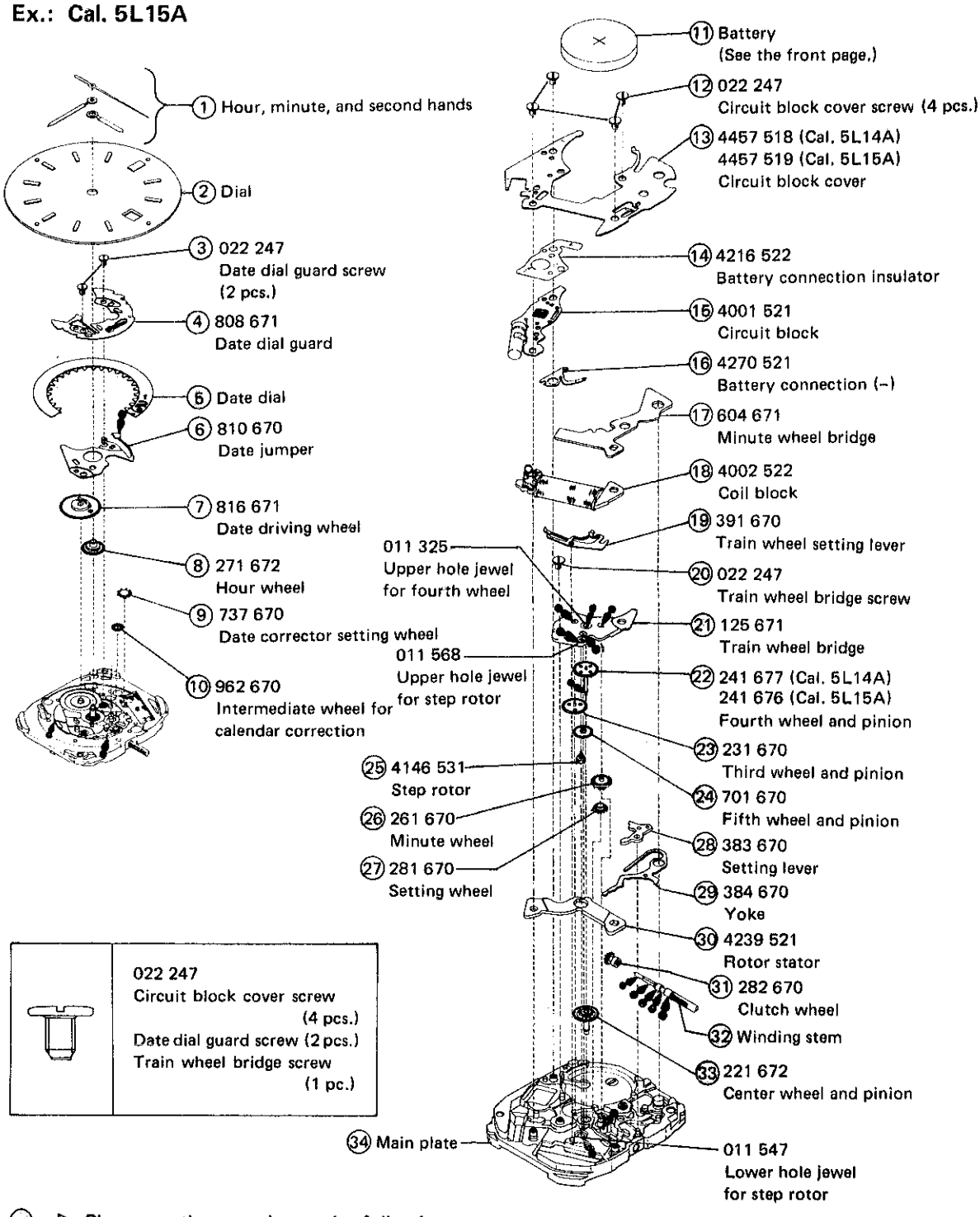
Lubricating: Types of oil

- Moebius A
- SEIKO Watch Oil S-6

Oil quantity

- Normal quantity
- Extremely small

Ex.: Cal. 5L15A



022 247
Circuit block cover screw
(4 pcs.)
Date dial guard screw (2 pcs.)
Train wheel bridge screw
(1 pc.)

○ ⇨ Please see the remarks on the following pages.

PARTS CATALOGUE

Cal. 5L14A, 5L15A

Remarks:

⑤ Date dial

Part code	Position of crown	Position of calendar	Color of figure	Color of background
801 777	3 o'clock	6 o'clock	Black	Gold

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.

㉔ 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]

㉜ Winding stem 351 105/351 670/351 671

The type of winding stem is determined based on the design of cases.
Check the case number and refer to "SEIKO Casing Parts Catalogue" to choose a corresponding winding stem.

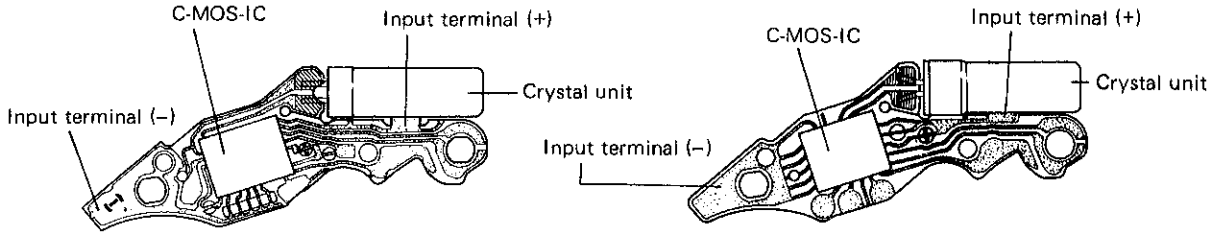
TECHNICAL GUIDE

Cal. 5L14A, 5L15A

- The explanation here is only for the particular points of Cal. 5L14A and 5L15A.
- For the repairing, checking and measuring procedures, refer to "TECHNICAL GUIDE, GENERAL INSTRUCTION"

I. STRUCTURE OF THE CIRCUIT BLOCK

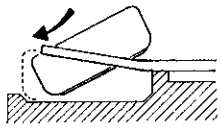
There are two types of circuit block, and they can be used interchangeably.

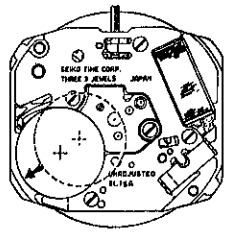


II. REMARKS ON DISASSEMBLING AND REASSEMBLING

Use the universal movement holder for disassembling and reassembling.

⑪ Battery



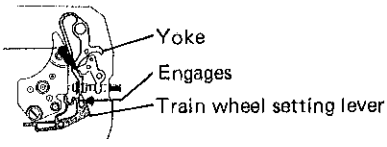


- **Installing**

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

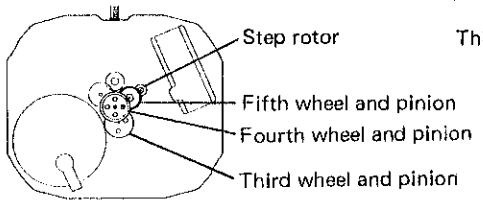
⑲ Train wheel setting lever

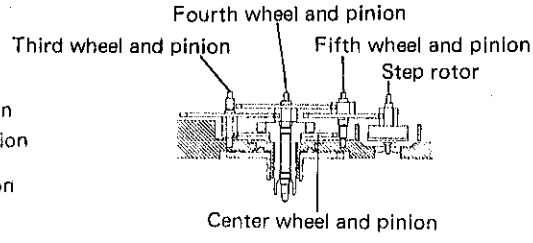
- **Setting position and lubricating**



㉑ Train wheel bridge

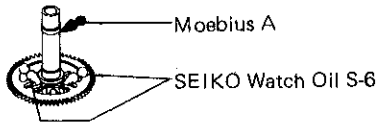
- **Setting position**





㉝ Center wheel and pinion

- **Lubricating**



III. VALUE CHECKING

- Coil block resistance

  2.7KΩ ~ 3.2KΩ

- Current consumption

  For the whole of the movement: less than 0.9μA
  For the circuit block alone : less than 0.4μA

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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