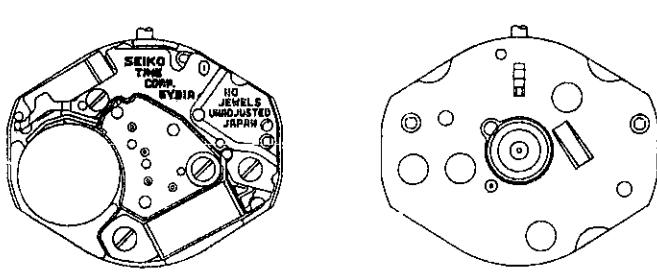


PARTS CATALOGUE/ TECHNICAL GUIDE

Cal. 5Y91A

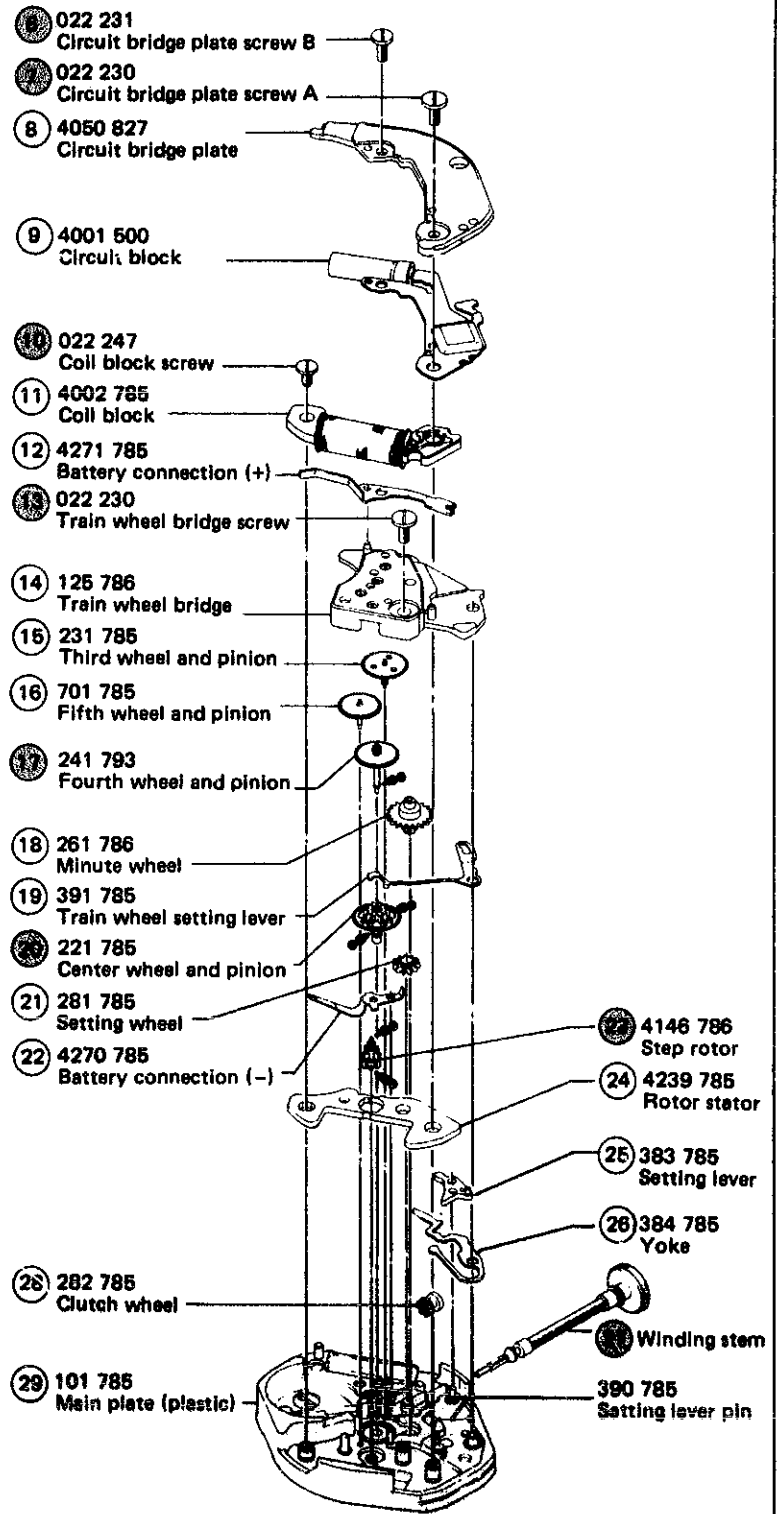
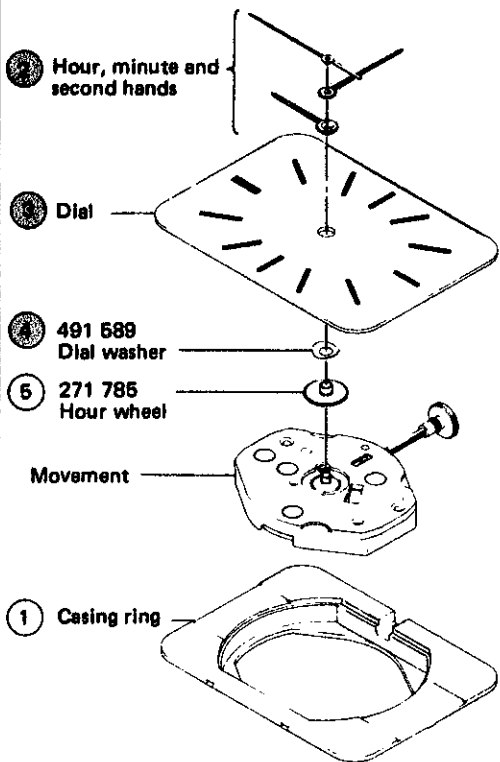
[SPECIFICATIONS]

Item		Cal. No.	5Y91A
Movement			
Movement size	Outside diameter	15.3mm between 3 o'clock and 9 o'clock sides 18.2mm between 6 o'clock and 12 o'clock sides	
	Casing diameter	15.3mm between 3 o'clock and 9 o'clock sides 17.8mm between 6 o'clock and 12 o'clock sides	
	Height	2.9mm	
Time indication		3 hands (Hand motion: 1-second step)	
Driving system		Step motor	
Additional mechanism		<ul style="list-style-type: none"> • Train wheel setting device • Electronic circuit reset switch 	
Loss/gain		Monthly rate at normal temperature range: less than 20 seconds	
Regulation system		Nil	
Measuring gate by quartz tester		Use 10-second gate.	
Battery		SEIKO SR626SW, Maxell SR626SW, SONY SR626SW, EVEREADY 377 Battery life is approximately 2 years. Voltage: 1.55V	
Jewels		0 jewel	

PARTS CATALOGUE

Cal. 5Y91A

Disassembling procedures Figs.: ① → ②⑨
 Reassembling procedures Figs.: ②⑨ → ①
 Lubricating: Types of oil Oil quantity
 ● Moebius A ∞ Normal quantity



● ⇨ Please see the remarks on the following pages.

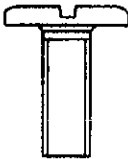
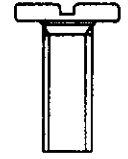
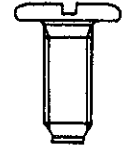
PARTS CATALOGUE

Cal. 5Y91A

Remarks:

- ⑥ Circuit bridge plate screw B
- ⑦ Circuit bridge plate screw A
- ⑩ Coil block screw
- ⑬ Train wheel bridge screw

LIST OF SCREWS USED

Part No.	Name	Shape	Screw classification	
			Length	Head diameter
022 230	Train wheel bridge screw (1 pc.) Circuit bridge plate screw A (1 pc.)		Longer	Bigger
				Smaller
022 231	Circuit bridge plate screw B (1 pc.)		Shorter	Smaller
022 247	Coil block screw (1 pc.)			

* Classify screws according to length and head diameter.

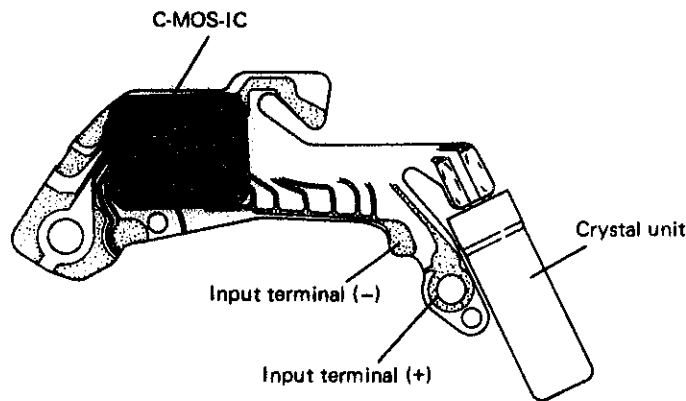
- ⑳ Winding stem 354 786

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.

- The explanation here is only for the particular points of Cal. 5Y91A.
- For the repairing, checking and measuring procedures, refer to the "TECHNICAL GUIDE, GENERAL INSTRUCTIONS".

I. STRUCTURE OF THE CIRCUIT BLOCK

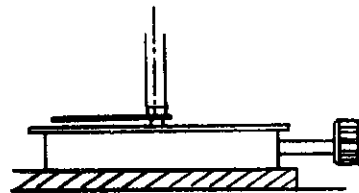


II. REMARKS ON DISASSEMBLING AND REASSEMBLING

② Hands

● How to install

When installing the hands, support the train wheel bridge with a flat solid material (stainless steel, glass, etc.) and press in the hands. Never use a universal movement holder which does not support the train wheel bridge. When installing the hands, remove the battery.



③ Dial

● How to remove and install

The dial is fixed with its 2 legs inserted into the dial leg holes of the main plate.

When removing the dial, insert a screwdriver in the gaps between the main plate and dial in 2, 4 and 8 o'clock sides and carefully pry out the dial.

When installing the dial, align the dial legs with the dial leg holes of the main plate and press the dial in.

④ Dial washer

Refer to the illustrations below and take care not to fit the dial washer the wrong way round.



[Correct]



[Incorrect]

27 Winding stem

• How to remove

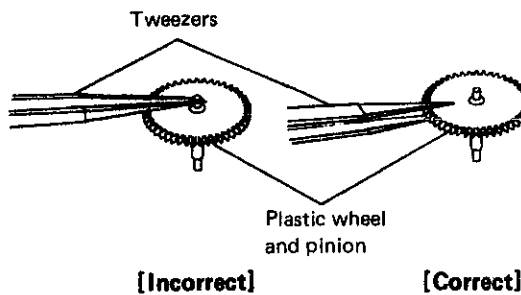
Push the winding stem back to the normal position (fully inserted), and while pressing the setting lever which is located at the side of the circuit bridge plate with tweezers, pull out the winding stem.



Notes:

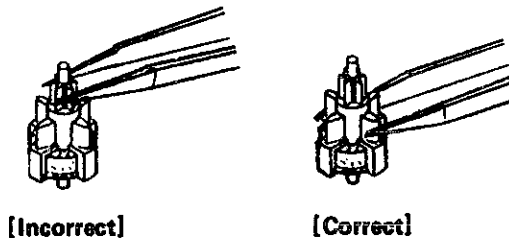
• How to handle the plastic wheel and pinion

When removing or installing the plastic wheel and pinion, do not clamp the shaft with tweezers, etc. Clamp the center of the wheel as illustrated below.



23 Step rotor

If the wheel of the rotor is clamped with tweezers, the wheel may be deformed. Clamp the cam or magnetic part with tweezers.



17 Fourth wheel and pinion

20 Center wheel and pinion

23 Step rotor

• Lubricating

Center wheel and pinion	Fourth wheel and pinion	Step rotor

Lubricate the portions marked with the lubricating marks. It is not necessary to lubricate the other portions.

III. VALUE CHECKING

- Coil block resistance

2.6K Ω ~ 3.0K Ω

- Current consumption

For the whole of the movement: less than 1.3 μ A

For the circuit block only : less than 0.4 μ A