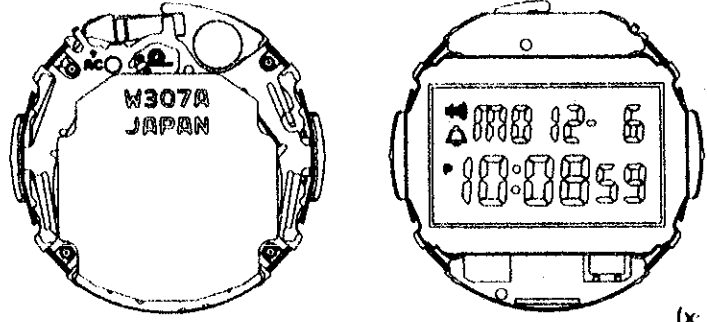


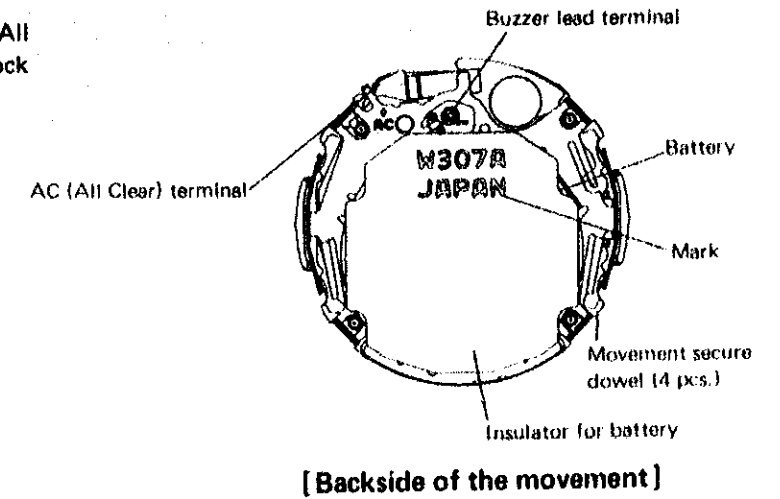
SERVICE GUIDE CAL. W307A

1. SPECIFICATIONS

Item		Cal. No.	W307A
Module			 (x 1.5)
Module size	Casing diameter	φ27.4 mm	
	Height	4.8 mm	
Display medium		Nematic Liquid Crystal, FEM (Field Effect Mode)	
Liquid crystal driving system		Multiplex driving system	
Display system		Time and calendar display (12-hour/24-hour indication) Alarm display (alarm time: 20 seconds) Stopwatch display (up to 60 minutes) Time/calendar setting display	
Additional mechanism		Alarm test system Hourly time signal Automatic return system Full-automatic calendar Pattern segment checking system	
Loss/gain		Monthly rate: Less than 20 seconds at normal temperature range	
Regulation system		Nil	
Measuring gate by Quartz Tester		Any gate is available.	
Battery		Lithium battery SEIKO CR2016 MAXELL CR2016 SANYO CR2016 EVEREADY CR2016 MATSUSHITA BR2016 Voltage: 3.0V Battery life is approximately 7 years.	

2. SYSTEM RESET AFTER REPLACING THE BATTERY

After replacing the battery, short-circuit the AC (All Clear) terminal and battery (+) surface or circuit block cover with tweezers to reset the circuit.



3. VALUE CHECKING

- Current consumption

Use the SEIKO Digital Multi Tester S-840A (with Multi Adaptor MA-40A).

Range to be used: μA

Black probe Battery connection (-)
 Red probe Input terminal (+)

Result:

More than $1.7\mu\text{A}$ Defective
 Less than $1.7\mu\text{A}$ Normal

Note:

Before measuring the current consumption, *reset the circuit (Fig. 2), and read the stable display. (Fig. 1)

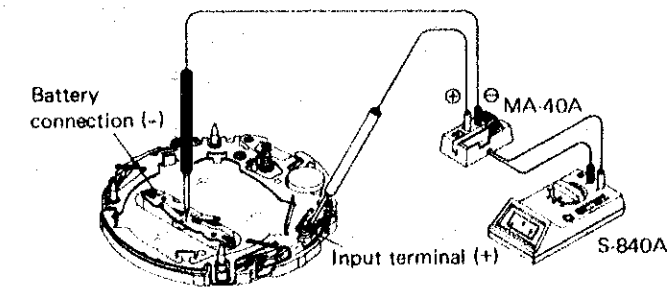


Fig. 1

* Resetting the circuit

After setting as shown in Fig. 1, short-circuit the AC (all clear) terminal and circuit block cover with tweezers as shown in Fig. 2.

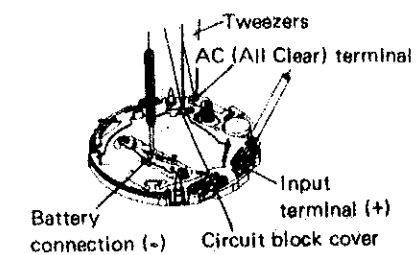


Fig. 2