SERVICE GUIDE CAL V51 SERIES

I. SPECIFICATIONS

Item \ Cal. No.		V511	V515	V517
Time indication		Three hands		
Hands		Plastic (for men's watch)	Metal	Plastic (for ladies' watch)
Additional mechanism		Electronic reset switch		
Loss/gain		Monthly rate: Less than 30 seconds at normal temperature range		
Movement size	Size of main plate	ϕ18.5 (3h-9h: 15.3 mm, 12h-6h: 18.2 mm)		
	Casing diameter	ϕ18.1 × 15.3 mm × 17.8 mm		
	Height	3.09 mm		
Regulation system		———		
Quartz Tester measuring gate		10-second gate.		
Battery life		Approx. 2 years		
Battery		SEIKO SR626SW MAXELL SR626SW SONY SR626SW (377)		
Jewels		0 jewel		
After-service system		The watch must be completely replaced with a new one.	The movement must be completely replaced with a new one.	The watch must be completely replaced with a new one.
			The watch must be completely replaced with a new one. (One-piece case model)	

2. Notes on after-servicing

As Cal. V51 series does not employ any screw and the train wheel bridge and battery connection (+) are thermally caulked, the movement cannot be disassembled and the parts cannot be replaced. As the case back of the one-piece case model cannot be removed, the watch should be replaced with a new one. However, the battery, battery hatch, push pin and band can be replaced.

3. Inspection and precautions

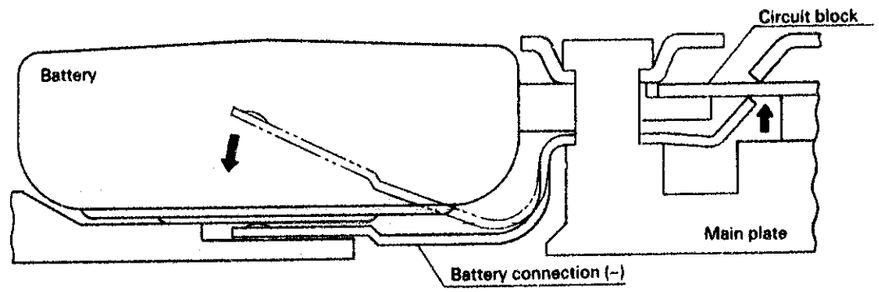
CURRENT CONSUMPTION

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

Range to be used: μA Connections Red probe: Battery connection (+) Black probe: Battery connection (–)	Result: Less than 1.6 μA: Normal More than 1.6 μA: Defective

Notes on inspection for current consumption

1) As the conductivity between the battery connection (–) and the circuit block is made with the counter force of the battery as shown below, be sure to measure with the battery connection (–) pressed toward the main plate. If the battery connection (–) is not pressed toward the main plate, the correct conductivity cannot be obtained, resulting in incorrect measuring.



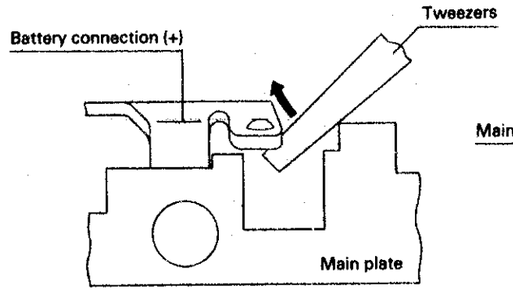
2) As the main plate is made from plastic resin, the conductivity cannot be obtained even when the (+) probe is attached to the winding stem. Be sure to connect the (+) probe to the battery connection (+).

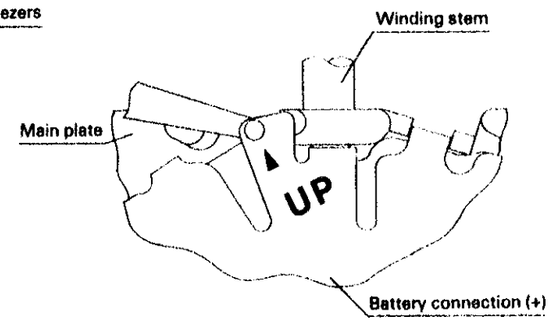
This caution should be applied when the watch is driven with an external power supply.

4. Notes on replacing movement (for only Cal. V515)

(1) Notes on removing the winding stem

When removing the winding stem, the portion of the battery connection (+), indicated with the UP ▲ shown below, should be raised with tweezers, etc.





(2) Notes on installing the winding stem

When installing the winding stem, the portion (UP ▲) of the battery connection (+) should also be raised with tweezers, etc.

If the winding stem is inserted without raising the specified portion, the main plate may be damaged.

5. Notes on installing the hands

To install the hands, be sure to support directly the fourth wheel & pinion upper pivot with a steel mount to avoid damaging the train wheel bridge and fourth wheel & pinion.