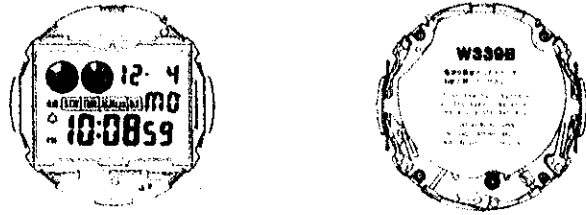


# SERVICE GUIDE Cal. W339B

## 1. SPECIFICATIONS

Item		Cal. No.	W339B
Module			 (x 1.0)
Module size	Outside diameter		ø27.4mm
	Casing diameter		ø27.4mm
	Height		5.73mm (Including the battery portion)
Display medium			Nematic Liquid Crystal, FE (Field Effect)
Liquid crystal driving system			1/4 multiplex driving system*
Display system			<ul style="list-style-type: none"> <li>• Time/calendar display</li> <li>• Stopwatch display (Up to 30 hours in 1/100 second increments)</li> <li>• Timer (29 hours and 59 minutes)</li> <li>• Alarm (3-channel alarm)</li> <li>• Dual time display</li> </ul>
Additional mechanism			<ul style="list-style-type: none"> <li>• Sound demonstration</li> <li>• Illuminating light</li> <li>• All segments light-up system</li> <li>• Hourly time signal</li> </ul>
Loss/gain			Monthly rate at normal temperature range: less than 20 seconds
Regulation system			Nil
Measuring gate by quartz tester			Use 10-second gate with all the segments of the display lit up.*
Battery			SEIKO CR2025 SONY CR2025 MATSUSHITA CR2025 Voltage : 3.0 V Battery life is approximately 5 years.
After-sales servicing system			The whole module will be replaced with a new one.

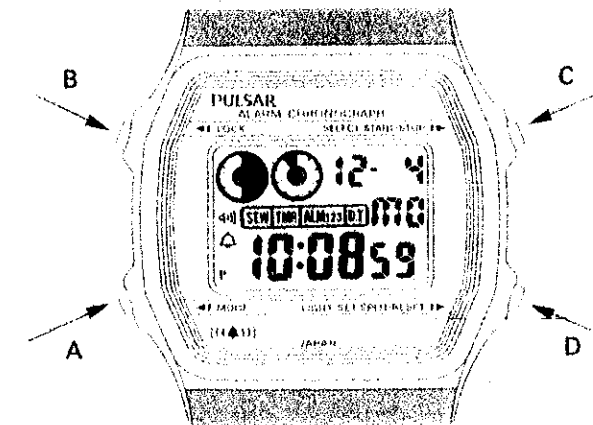
\* The specifications of Cal. W339A and Cal. W339B are the same except for the items marked with "\*\*".

## 2. REMARKS ON DIFFERENCES BETWEEN CAL.W339A AND CAL.W339B

The specifications of Cal. W339A and Cal.W339B are the same except for the items marked with "\*\*" in the table of specifications on the front page. Please note, however, that the parts for Cal. W339A cannot be used in repairing Cal. W339B, or vice versa.

## 3. REMARKS ON REPLACING THE MODULE AND INSTALLING THE BATTERY

After the module and/or battery is replaced with a new one, be sure to press the four buttons "A", "B", "C" and "D" at the same time for 3 seconds to reset the circuit.



## 4. VALUE CHECKING

### • Current consumption

For the whole module : less than 4.0μA