
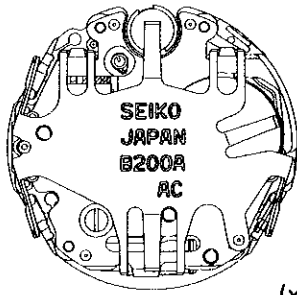


PARTS CATALOGUE/TECHNICAL GUIDE

Cal. B200A

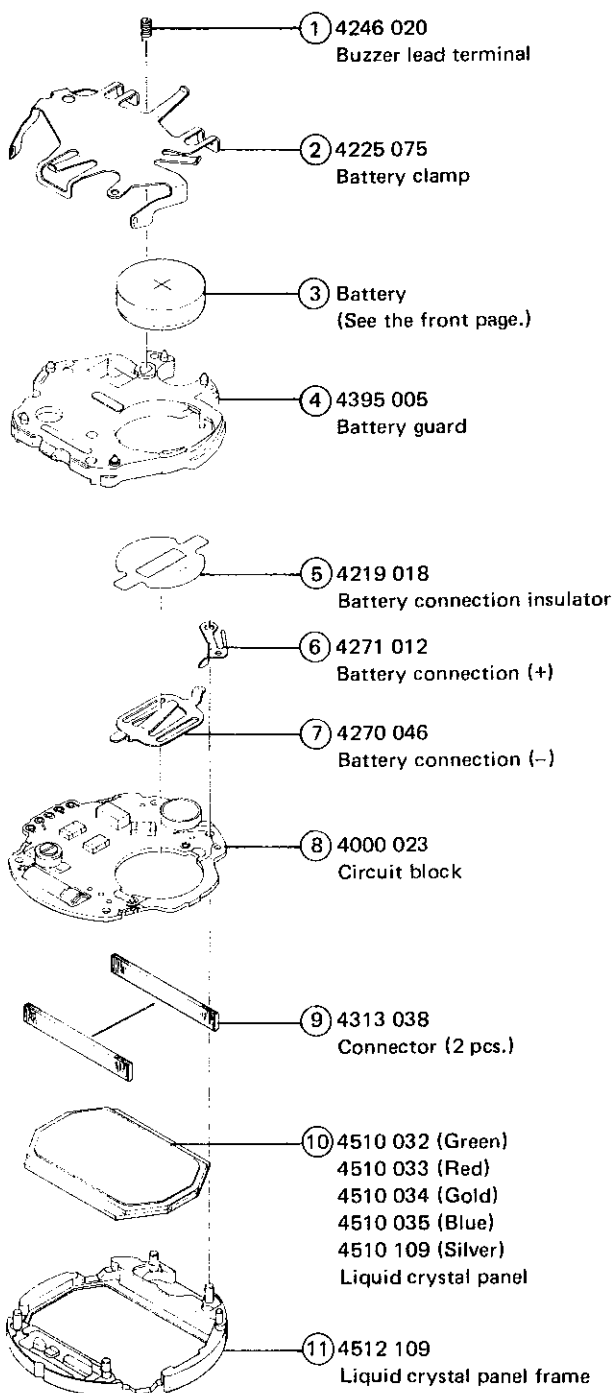
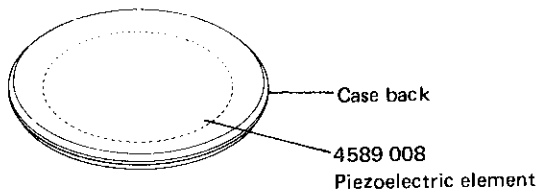
[SPECIFICATIONS]

Item		Cal. No.	B200A
Module		  <p style="text-align: right;">(x 2.0)</p>	
Module size	Outside diameter	φ18.7 mm	
	Casing diameter	—	
	Height	4.5 mm	
Display medium		Nematic Liquid Crystal, FEM (Field Effect Mode)	
Liquid crystal driving system		Multiplex driving system	
Display system		<ul style="list-style-type: none"> • Time display (12- or 24-hour indication) • Stopwatch display • Alarm display 	
Additional mechanism		<ul style="list-style-type: none"> • Alarm test system • Hourly time signal • Automatic calendar 	
Loss/gain		Monthly rate at normal temperature range: less than 15 seconds	
Regulation system		Trimmer condenser	
Measuring gate by quartz tester		Any gate can be used.	
Battery		SEIKO SR726W, Maxell SR726W Battery life is approximately 2 years. Voltage: 1.55V	

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Disassembling procedures Figs.: ① → ⑪

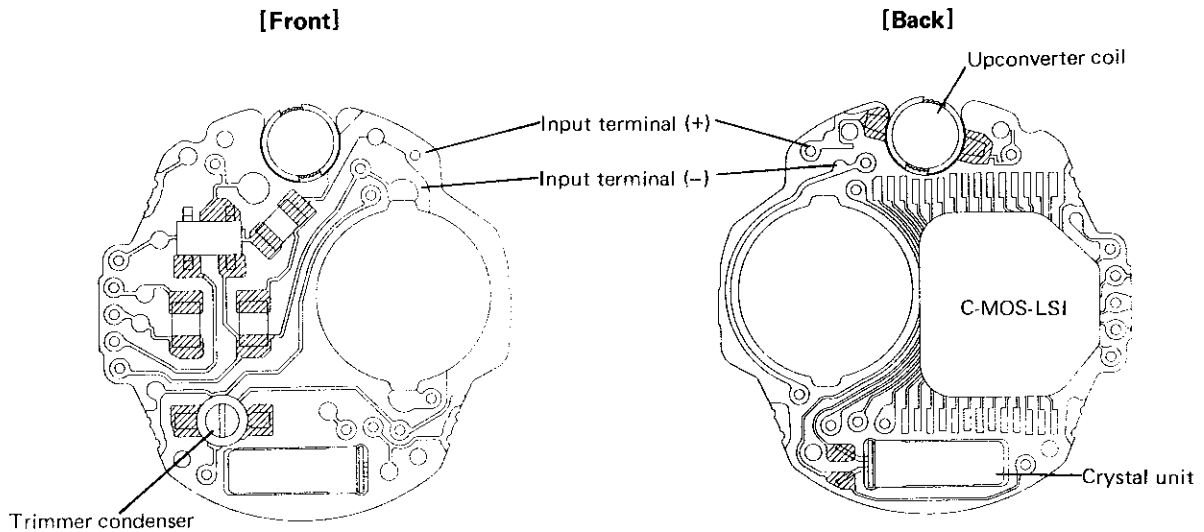
Reassembling procedures Figs.: ⑪ → ①



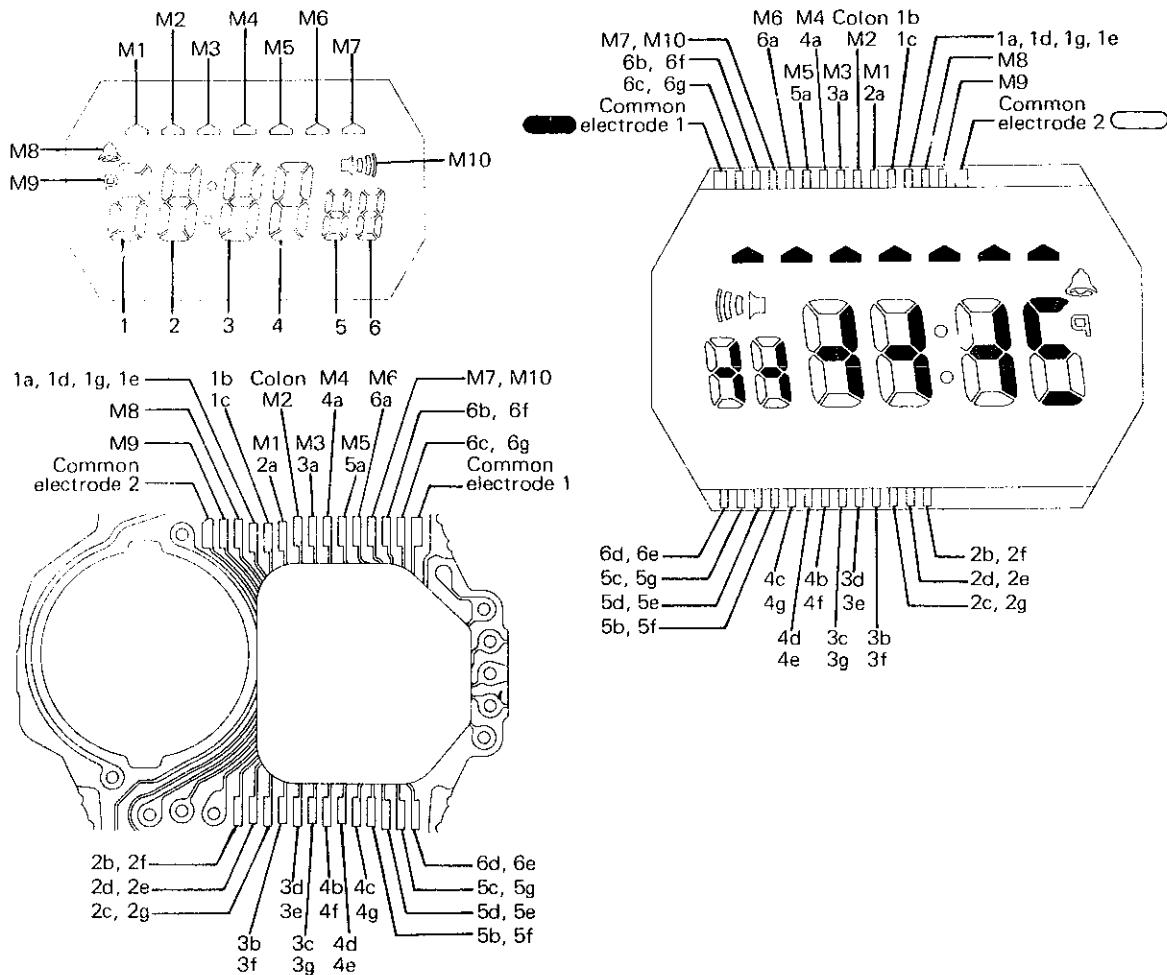
○ → Please see the remarks on the following pages.

- The explanation here is only for the particular points of Cal. B200A.
- For the repairing, checking and measuring procedures, refer to the "TECHNICAL GUIDE, GENERAL INSTRUCTION".

I. STRUCTURE OF THE CIRCUIT BLOCK



II. RELATIONSHIP BETWEEN THE SEGMENT (LIQUID CRYSTAL PANEL ELECTRODE) AND THE C-MOS-LSI OUTPUT TERMINAL



III. REMARKS ON DISASSEMBLING AND REASSEMBLING

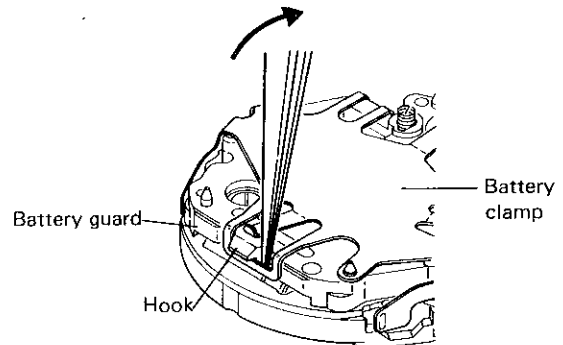
② Battery clamp

- How to remove

Release the battery clamp hook portion from the battery guard at the 6 o'clock position first.

- How to install

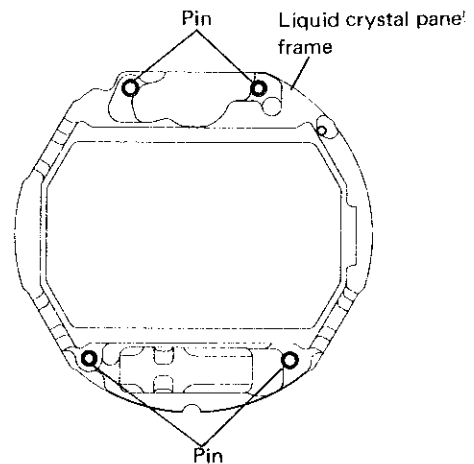
First, hook the battery clamp to the battery guard at 2 places on the 12 o'clock side and then at the 6 o'clock position.



④ Battery guard

- How to remove

Pry up the battery guard lightly at the four hooking places by using a screwdriver. The hooking places are located at the pins on the liquid crystal panel frame as shown on the right.



IV. VALUE CHECKING

- Upconverter coil resistance

130Ω ~ 170Ω

- Current consumption

For the whole of the module: less than 2.3μA

For the circuit block alone : less than 2.0μA