PARTS CATALOGUE/TECHNICAL GUIDE

Cal. W358A

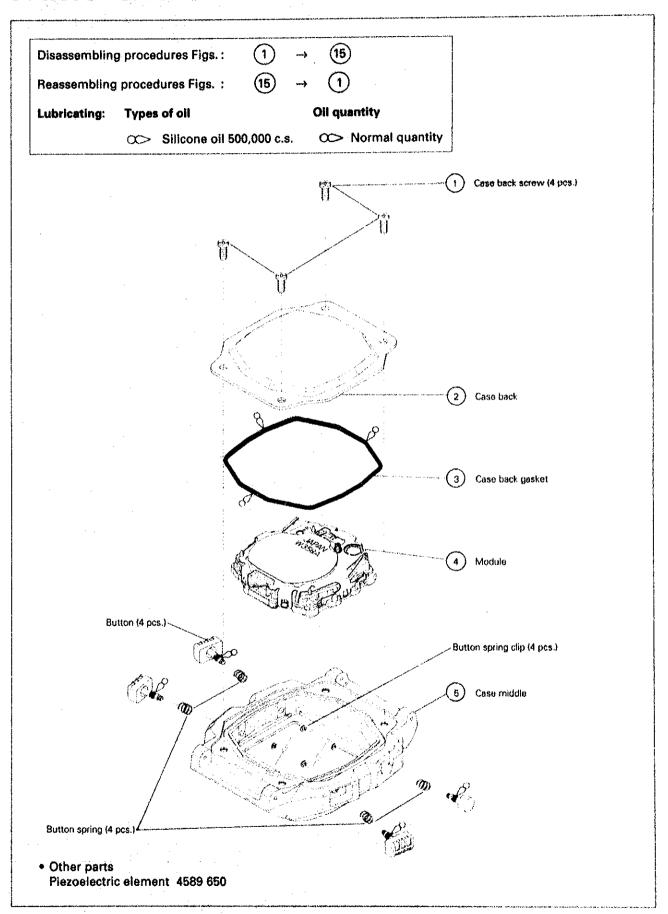
[SPECIFICATIONS]

| Cal. No. | | W358A | | |
|---------------------------------|------------------|--|--|--|
| item | | | | |
| Module | | JAPAN W358A | | |
| Module size | Outside diameter | 29.4mm between 6 o'clock and 12 o'clock sides 28.7mm between 3 o'clock and 9 o'clock sides | | |
| | Height | 5.3mm (5.9mm including the battery portion) | | |
| Display medium | | Nematic Liquid Crystal, FEM (Field Effect Mode) | | |
| Liquid crystal driving system | | 1/4 multiplex driving system | | |
| Display system | | Time/calendar display Alarm display Stopwatch display Timer display Circuit race timer display Memory recall display Navigator display | | |
| Additional mechanism | | Stopwatch auto start function Alarm test system Schannel alarm Hourly time signal All segments light-up system | | |
| Loss/gain | | Monthly rate at normal temperature range: less than 20 seconds | | |
| Regulation system | | Nil | | |
| Measuring gate by quartz tester | | Any gate can be used. | | |
| Battery | | SEIKO CR2025, Matsushita CR2025 Battery life is approximately 3 years. Voltage: 3.0 V | | |

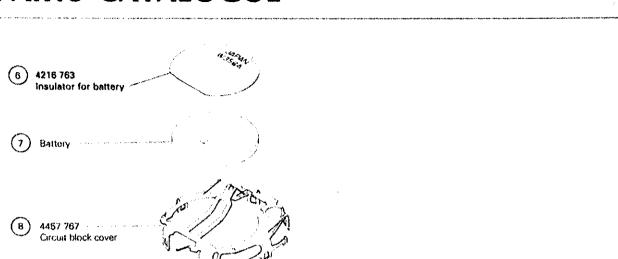
SEIKO CORPORATION

PARTS CATALOGUE

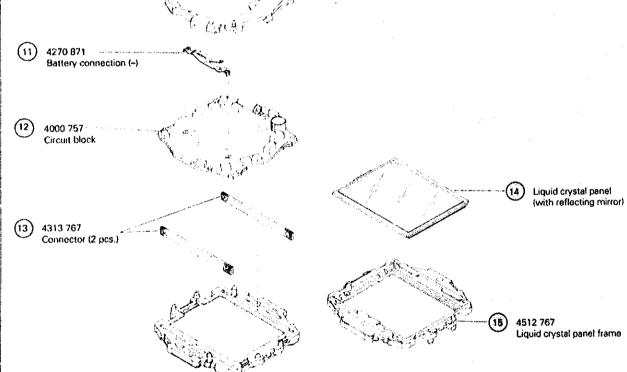
Cal. W358A



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Remarks:

- After reassembling the liquid crystal panel and liquid crystal panel frame, reverse the module to install the parts (3) ~ (6).
- Please see the remarks on the following pages.

Remarks:

14) Liquid crystal panel

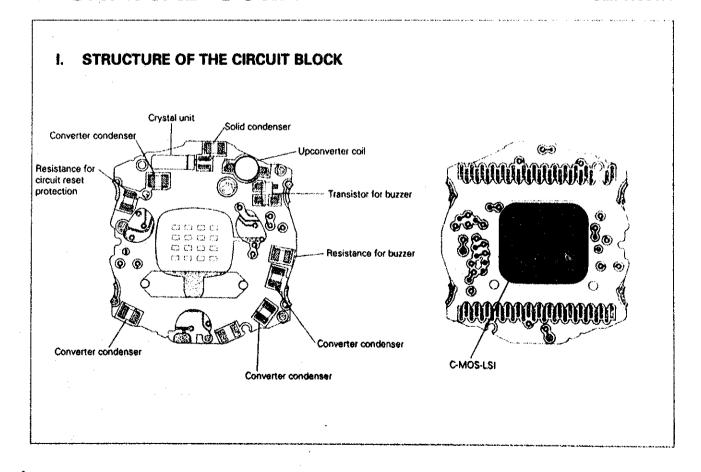
| L/C panel No. | L/C panel color | Printing color of graphic display Red Silver letters | Mov't ref. No. |
|---------------|-----------------|---|----------------|
| 4510 564 | Silver | | |
| 4520 565 | Gold | Gold letters | UW35825 |
| 4520 566 | Gold | — Silver letters | UW35826 |
| 4520 568 | Silver | Red and blue Silver letters | UW35824 |

The type of liquid crystal panel is determined based on the design of cases.

Refer to "Casing Parts Catalogue" to choose a corresponding liquid crystal panel.

TECHNICAL GUIDE

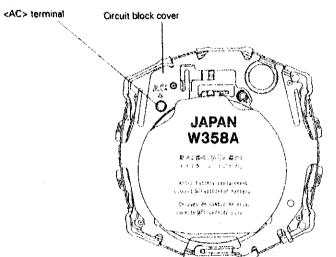
Cal. W358A



Cal. W358A

II. REMARKS ON INSTALLING THE BATTERY

- . A necessary step after installing the battery
- After the battery is replaced with a new one, be sure to short-circuit the AC terminal and the battery connection (+) with tweezers to reset the circuit. Then, check that the displays will appear as follows:



Time/calendar :

12:00'00" AM

January 1, 1990

Alarm and hourly time signal are disengaged.

Alarm

Channel 1 12:00 AM Channel 2 12:00 AM

Channel 3 12:00 AM

Stopwatch

Reset to "00".

Auto start time is reset to "00'00"",

Timer

00:00

Circuit race timer :

Number of cars is set to "2".

Distance is set to "5.859 km".

Memory recall :

Recall of lap time is selected.

Navigator

Distance is set to "0.0 km".

Current time is displayed as the arrival time.

Hourly average speed is set to "0.0 km/h".

• After installing the battery, be sure to reset the insulator for battery in position. Otherwise, the alarm may not ring.

III. REMARKS ON DISASSEMBLING AND REASSEMBLING

(14) Liquid crystal panel

(15) Liquid crystal panel frame

TECHNICAL GUIDE

After reassembling the liquid crystal panel and liquid crystal panel frame, reverse the module to install
the parts (13) ~ (6).

IV. VALUE CHECKING

• Upconverter coil resistance: $50\Omega \sim 90\Omega$

• Current consumption

For the whole of the module:

less than 4.0µA

For the circuit block alone :

less than 3.0μA