TECHNICAL GUIDE
&
PARTS CATALOGUE
Cal.VJ76B
ANALOGUE QUARTZ

SII Products
### Specifiation

#### Movement

<table>
<thead>
<tr>
<th>Item</th>
<th>Cal. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside diameter</td>
<td>φ26.40 mm</td>
</tr>
<tr>
<td></td>
<td>23.50 mm : between 12 o'clock and 6 o'clock sides</td>
</tr>
<tr>
<td></td>
<td>23.50 mm : between 3 o'clock and 9 o'clock sides</td>
</tr>
<tr>
<td>Casing diameter</td>
<td>φ25.60 mm</td>
</tr>
<tr>
<td></td>
<td>23.50 mm : between 12 o'clock and 6 o'clock sides</td>
</tr>
<tr>
<td></td>
<td>21.90 mm : between 3 o'clock and 9 o'clock sides</td>
</tr>
<tr>
<td>Total height</td>
<td>3.50 mm</td>
</tr>
</tbody>
</table>

#### Time indication
- 3 hands
- (hour, minute, second)
- Big date calendar

#### Driving System
- Step motor

#### Additional mechanism
- Electronic circuit reset switch
- Second setting device
- Date setting

#### Antimagnetic
-≧1600 A/m

#### Accuracy
- Less than ±20 seconds: Monthly rate at normal temperature range

#### Battery
- SR621SW (Silver oxide battery)
- Battery life is approximately 3 years

#### Measuring gate by quartz tester
- Use 10-second gate
- * Set the winding stem with crown at the normal position

#### Jewels
- 0 Jewel

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**SII Products**
Disassembling procedures Figs. 1 → 34
Reassembling procedures Figs. 34 → 1

*Refer to the 4 pages for the each parts code

 Hour, minute and second hands

Dial

Snap for second date indicator

*Second date indicator

Intermediate date wheel

Positioning lever

Calendar corrector lever

Date dial guard

*First date indicator

Date jumper

Second intermediate wheel for calendar corrector

Date driving wheel

Hour wheel

Lubricating: Types of oil

Moebius 9010
Moebius 9030

Oil quantity

∞ NORMAL QUANTITY

PARTS CATALOGUE

SII Products
Remarks:

O Date indicator

<table>
<thead>
<tr>
<th>Part code</th>
<th>Position of crown</th>
<th>Position of Date frame</th>
<th>Color of figure</th>
<th>Color of background</th>
</tr>
</thead>
<tbody>
<tr>
<td>0878 123</td>
<td>3H</td>
<td>6H</td>
<td>Black</td>
<td>White</td>
</tr>
<tr>
<td>0878 125</td>
<td>3H</td>
<td>12H</td>
<td>Black</td>
<td>White</td>
</tr>
<tr>
<td>0878 127</td>
<td>3H</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0878 178</td>
<td>3H</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*All parts code are subject to change without notice.*
The explanation here is only for the particular point of Cal.VJ76

I. STRUCTURE OF THE CIRCUIT BLOCK
Notes: Since the circuit block and coil block are made by one piece, in disassembling and reassembling take care not to cut the coil line.

II. REMARKS ON DISASSEMBLING AND REASSEMBLING

① HAND
• How to install hands
Place the movement directly on a flat metal plate or the like to install the hands.

② Date dial guard
The date dial guard has three protrusions to be caught under the main plate, and it is also fixed by two guide pins.

• How to remove
1) Lightly lift the A portion of the date dial guard with tweezers to release it from the guide pin, and then move it in the clockwise direction until it gets off the guide pin.

2) Release the B portion of the date dial guard in the same way as described above, and then move it in the clockwise direction until it gets off the guide pin.

3) Check that all the three protrusions of the date dial guard have come off from the main plate, and then remove the date dial guard.
How to install

1) Put the date dial guard on the main plate so that the A and B portions are over the guide pins, as shown in the illustrations at right.

2) Move the protrusion D of the date dial guard in the counterclockwise direction so that it is caught under the main plate.

3) Slightly move the protrusions C and E in the counterclockwise direction alternately to set them under the main plate. Then, set the A and B portions of the date dial guard to the guide pins.

4) Check that the date dial guard is fixed securely to the main plate.

Battery

• How to install
Insert the battery aslant in the direction shown by the arrow. Check the battery connection (+) securely touches the side face of the battery.

Battery connection (+)

• How to install
Have the hook portions (3 places) catch the main plate (Fig.1&2). In disassembling and reassembling, take care not to deform the hook portions. After installing the battery connection (+), check that the three hook portions securely catch the main plate.
5) Insulator
   • Setting position
   Notes: To insulate between the battery connection (+) and the battery connection (-),
   Insulator should be put at the three pin securely as bellow.

6) Train wheel bridge
   • Setting position
   Notes: Since the fifth wheel and pinion and step rotor are made of plastics, take care not to damage
   them in disassembling and reassembling.

7) Train wheel setting lever
   • Setting position
   Notes:
   • Catch the part of spring of the train wheel setting lever to the pin like as bellow.
   • Take care not to deform the spring portion of the train wheel setting lever.
Pin for setting wheel

Notes:
- In disassembling and reassembling, take care not to damage the portion that is assembled of the pin.
  (Since the portion that is assembled of the pin is made of plastics and easily damaged.)

In disassembling,
pick the pin up main plate to vertical direction *with care*.

In reassembling,
push the pin in main plate to vertical direction *with care*.
The explanation here is only for the particular point of Cal.VJ76

Setting position of the First date indicator & Second date indicator.

How to set First date indicator & Second date indicator in position.

Note:

1. First date indicator setting.
   When the First date indicator is set, the hole in First date indicator will merge with the hole in battery compartment. It takes place at 1 o’clock position of main plate.
   (Pull out the crown to first click and turn the crown to set First date indicator.)

2. Second date indicator position setting.
   After the Second date indicator was set. Rotate the Second date indicator in clockwise by touching on its surface lightly with finger. Until the Second date indicator hole overlap with the First date indicator hole at 1 o’clock position. The position is set.

3. When the date indicators were set properly.
   Abnormal date does not display.
   For example ) <00> day <32> day <33> day <34> day ...... <39> day

(NOTE)
First date indicator cannot turn Second date indicator at any places other than Fig 2.
If it is made to rotate by force, there is a possibility that parts may break.
Cal.VJ76 watch assembly notice points

Note:
・Before a Dial set, confirm the positions of First date indicator and Second date indicator.
・Before date setting, confirm the positions of holes in 1 o'clock position.

Holes position checkpoint
First date indicator (The single numeral)
Second date indicator (The Tens' numeral)

・When the holes are not in right position, do the following procedure.

<position setting method>
1. First date indicator position setting.
   • To unify the First date disc’s notch with main plate notch on edge at 9 o'clock. (Pull out the crown to first click and turn the crown to set First date indicator.)

2. Second date indicator position setting.
   Rotate the Second date indicator in clockwise by touching on its surface lightly with finger.
   Until the Second date indicator hole overlap with the First date indicator hole at 1 o'clock position. The position is set.

(Note) Second date indicator cannot be turned except the status showed in Fig 5.
Please beware not to turn the disc after the positions had been set, otherwise the date cannot be display properly.