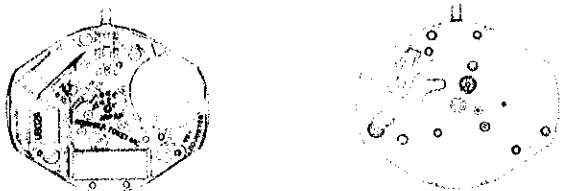


PARTS CATALOGUE/TECHNICAL GUIDE

Cal. V802A

[SPECIFICATIONS]

| Item | | Cal. No. | V802A |
|---------------------------------|------------------|---|---|
| Movement | | |  (x 1.5) |
| Movement size | Outside diameter | 18.4mm between 6 o'clock and 12 o'clock sides 15.3mm between 3 o'clock and 9 o'clock sides | |
| | Casing diameter | ø18.1mm 17.8mm between 6 o'clock and 12 o'clock sides | |
| | Height | 2.5mm | |
| Time indication | | 3 hands | |
| Driving system | | Step motor (Load compensated driving pulse type) | |
| Additional mechanism | | <ul style="list-style-type: none"> • Electronic circuit reset switch • Train wheel setting device | |
| Loss/gain | | Monthly rate at normal temperature range: less than 20 seconds | |
| Regulation system | | Nil | |
| Measuring gate by quartz tester | | Use 10-second gate. | |
| Battery | | SEIKO SR621SW, Maxell SR621SW, SONY SR621SW, Matsushita SR621SW, EVEREADY 364 Battery life is approximately 2 years. Voltage: 1.55V | |
| Jewels | | 1 jewel | |

PARTS CATALOGUE

Cal. V802A

Disassembling procedures Figs. : ① → ③①

Reassembling procedures Figs. : ③① → ①

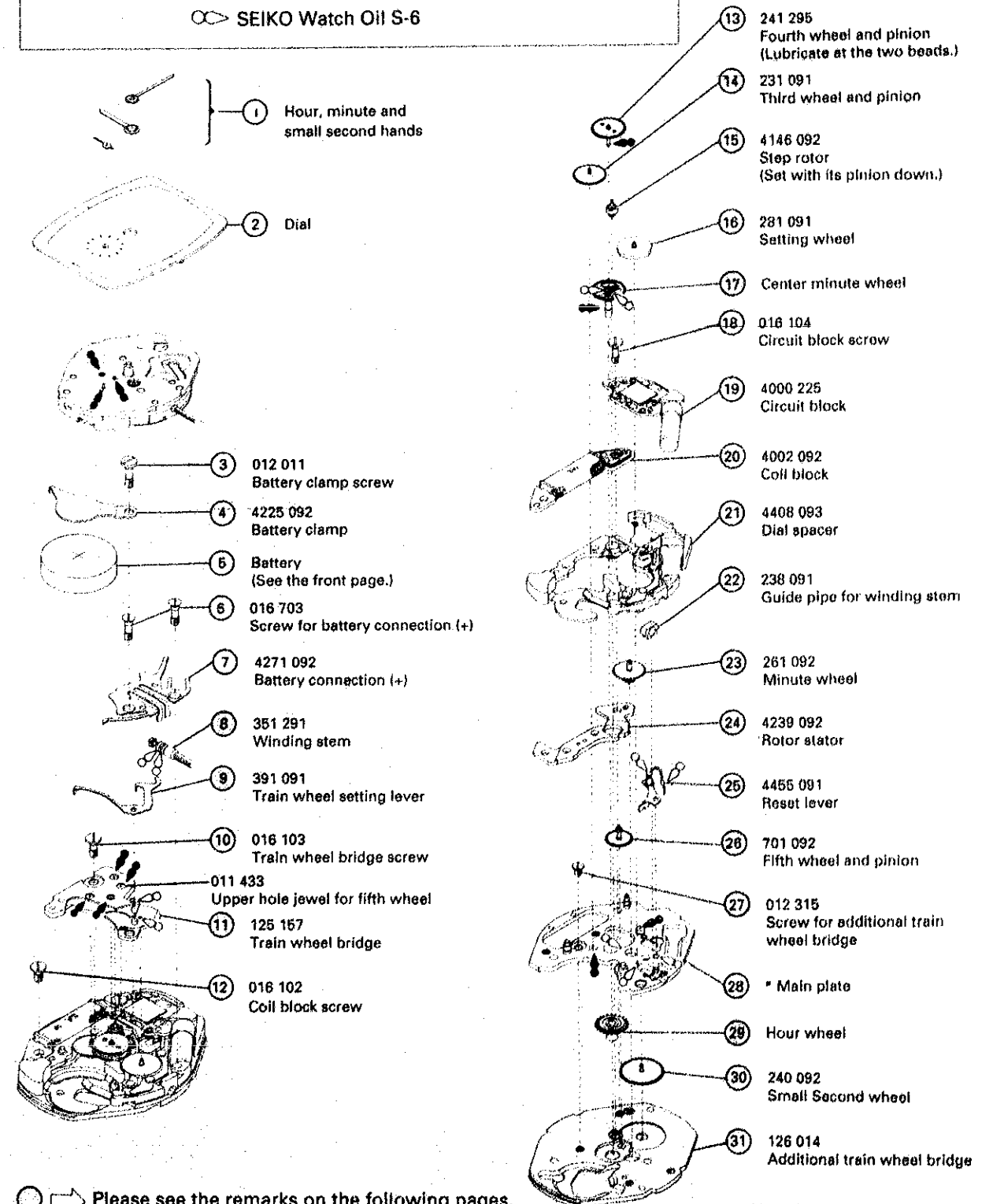
Lubricating: Types of oil

● Moebius A

○ SEIKO Watch Oil S-6

Oil quantity

∞ Normal quantity



○ → Please see the remarks on the following pages.

* Unavailable for supply

PARTS CATALOGUE

Cal. V802A

Remarks:

⑧ Winding stem 351 291

The type of winding stem is determined based on the design of cases.
Check the case number and refer to "Casing Parts Catalogue" to choose a corresponding winding stem.

⑰ Center minute wheel







⑳ Hour wheel

Combination:

| Parts name Type * | Center minute wheel | Hour wheel |
|----------------------|---------------------|------------|
| M | 270 471 | 271 471 |

* Abbreviation M Standard type
(Movement type)

LIST OF SCREWS USED

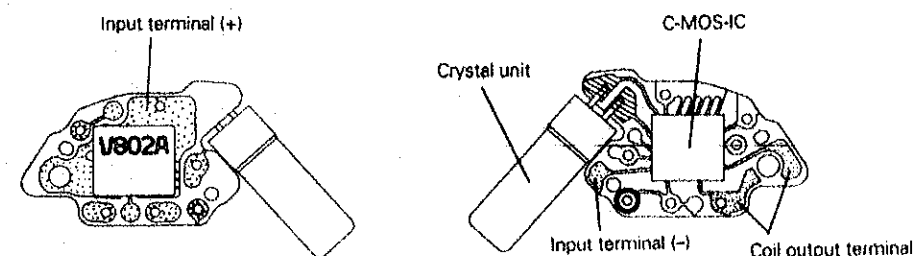
| Shape | Part No. | Name | Shape | Part No. | Name |
|---|----------|---|---|----------|---|
|  | 012 315 | Screw for additional train wheel bridge (1 pc.) |  | 016 104 | Circuit block screw (1 pc.) |
|  | 016 102 | Coil block screw (1 pc.) |  | 016 703 | Screw for battery connection (+) (2 pcs.) |
|  | 016 103 | Train wheel bridge screw (1 pc.) |  | 012 011 | Battery clamp screw (1 pc.) |

TECHNICAL GUIDE

Cal. V802A

- The explanation here is only for the particular points of Cal. V802A.
- For repairing, checking and measuring procedures, refer to the "TECHNICAL GUIDE, GENERAL INSTRUCTIONS".

I. STRUCTURE OF THE CIRCUIT BLOCK



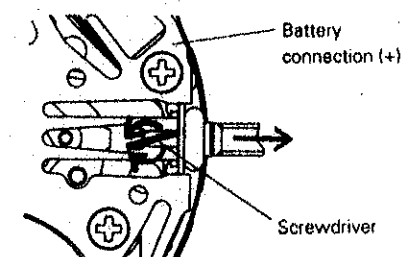
II. REMARKS ON DISASSEMBLING AND REASSEMBLING

Use the universal movement holder for disassembling and reassembling.

⑧ Winding stem

• How to remove

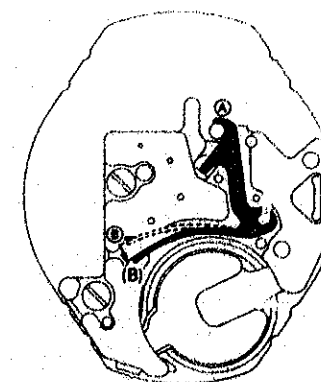
Using a slotted screwdriver with a little wider tip, twist it alternately right and left as shown by the arrows in the illustration below, and pull out the winding stem.



⑨ Train wheel setting lever

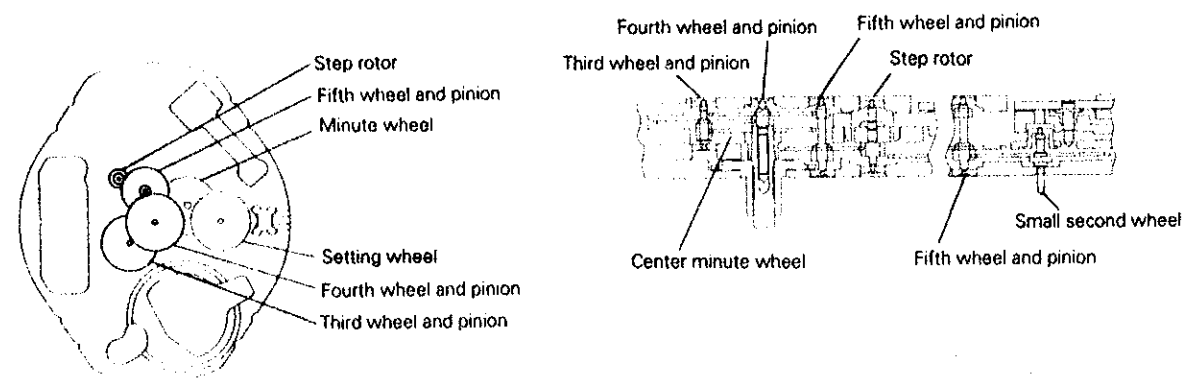
• Setting position

Set (A) portion first, and then insert (B) portion into the long slot (B) in the train wheel bridge. When setting (A) portion, check that it does not touch the fourth wheel and pinion.



⑪ Train wheel bridge

• Setting position



Note: Set the step rotor with its pinion facing toward the main plate side.

III. VALUE CHECKING

• Coil block resistance

2.3K Ω ~ 2.7K Ω

• Current consumption

For the whole of the movement : less than 1.2 μ A
 For the circuit block alone : less than 0.4 μ A

Remarks:

When the current consumption exceeds the standard value for the whole of the movement but is less than the standard value for the circuit block alone, overhaul and clean the movement parts and then measure current consumption for the whole of the movement again. The driving pulse generated to compensate a heavy load that may apply on the gear train, etc. is considered to cause excessive current consumption for the whole of the movement.