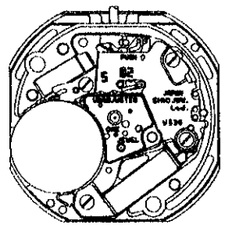
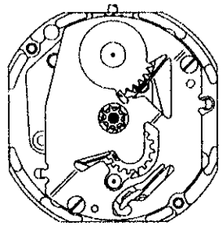
PARTS CATALOGUE/TECHNICAL GUIDE

Cal. V336A

[SPECIFICATIONS]

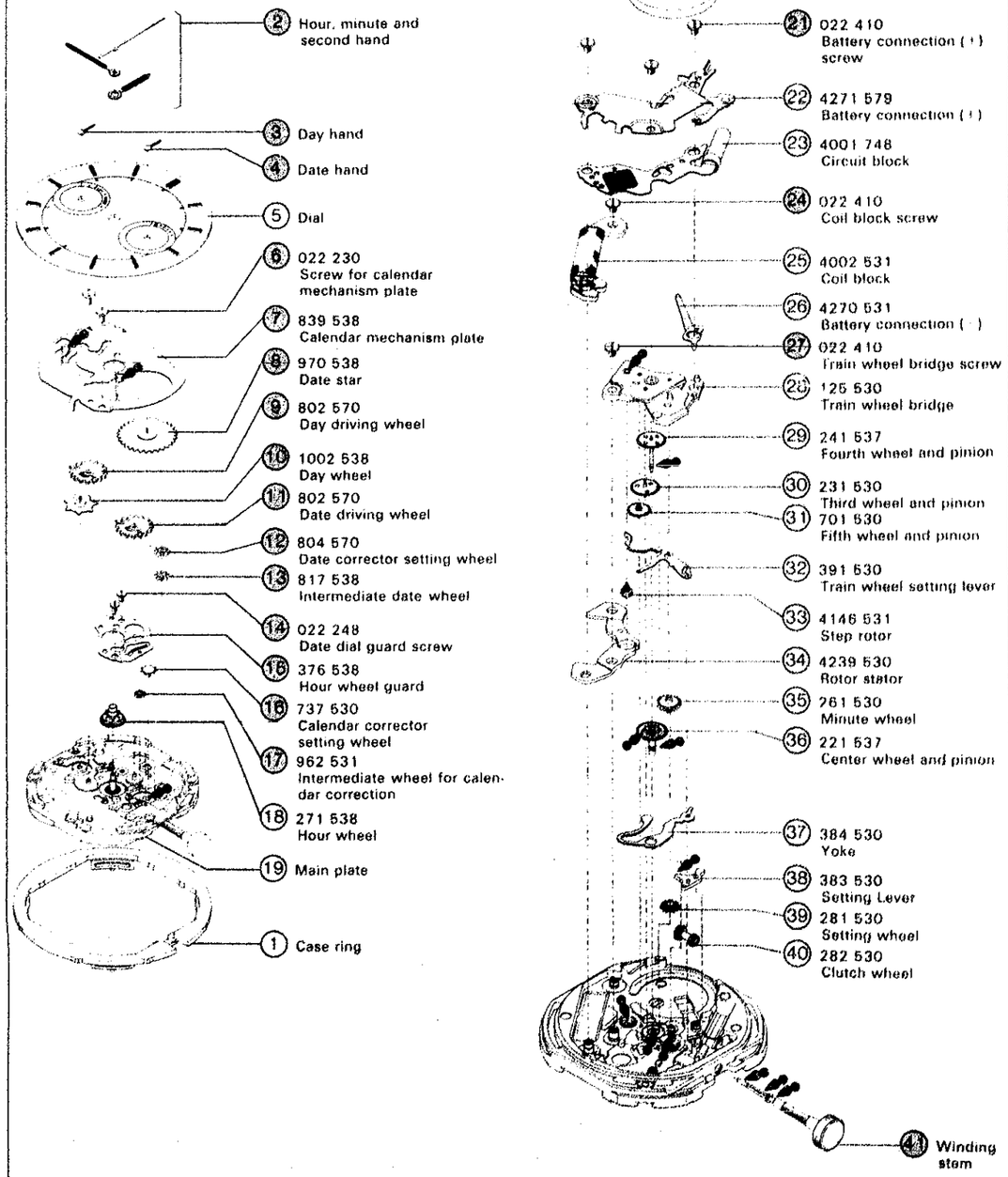
Item		Cal. No. V336A
Movement		(Front)  (Rear) 
Movement size	Outside diameter	ϕ 24.0 mm, 21.5 (3H – 9H) × 21.5 (6H – 12H) mm
	Casing diameter	ϕ 23.3 mm, 21.5 (3H – 9H) × 21.5 (6H – 12H) mm
	Height	3.05 mm (Including battery portion)
Time Indication		Three hands
Driving system		Step motor (Load compendated driving pulse type)
Additional mechanism		● Date calendar (Date hand) ● Day calendar (Day hand) ● Instant date setting device ● Electronic circuit reset switch ● Second setting device
Loss/gain		Monthly Rate: Less than ±20 seconds at normal temperature range
Regulation system		Nil
Measuring gate by quartz tester		Use 10-second gate
Battery		SEIKO SR916SW MAXELL SR916SW MATSUSHITA SR916SW Voltage 1.55V
Battery life		Approx. 3 years
Jewels		1 jewel

HATTORI SEIKO CO., LTD.

PARTS CATALOGUE

Cal. V336A

Disassembling procedures Fig: ① → ㊶
Reassembling procedures Fig: ㊶ → ①
Lubricating: Types of oil
●● Moebius A



●● ⇨ Please see the remarks on the following pages.

PARTS CATALOGUE

Cal. V336A

Remarks:

⑥ Screw for calendar mechanism plate
⑭ Date dial guard screw
㉑ Battery connection (+) screw
㉔ Coil block screw
㉗ Train wheel bridge screw

Shape	Parts No.	Name	Screw classification	
			Screw length	Screw head dia.
	022 230	Screw for calendar mechanism plate (2 pcs.)	Long	Big (ϕ 1.8 mm)
	022 248	Date dial guard screw (2 pcs.)	Short	Small (ϕ 1.3 mm)
	022 410	Train wheel bridge screw (1 pce.) Coil block screw (1 pce.) Battery connection (+) screw (3 pcs.)	Short	Middle (ϕ 1.5 mm)

* Classify screws according to length and head diameter

㊶ Winding stem
The type of winding stem is determined based on the design of cases.
Check the case number and refer to "Casing Parts Cataloque" to choose a corresponding winding stem.

TECHNICAL GUIDE

Cal. V336A

- The explanation here only pertains to points particular to cal. V336A.
- For the repairing, checking and measuring procedures, refer to the "Technical Guide General Instructions". For an explanation of items that are not mentioned here, refer to the "Technical Guide for caliber V3 series".

1. REMARKS ON DISASSEMBLING AND REASSEMBLING

② ~ ④ Hands

1. Hand assembly procedure

Install the hands following these steps:

1) Turn the crown until the date driving wheel becomes completely disengaged with the date star and the day driving wheel also becomes completely disengaged with the day wheel. Then, attach the dial.
2) Install the date and day hands (Install them at any desired position, but be sure they are aligned with the calendar scales.)
3) Pull the crown to the second click position, then wind it until the date hand shifts.
4) Install the hour hand at the 12 o'clock position.
5) Install the minute and second hands. (Unlike ordinary day-date watches, the minute and second hands are installed after having installed the date and day hands. If not, the date hand will not shift correctly.)

2. How to remove the date and day hands

When removing the date and day hands, be sure to hold the dial, while pulling on them. (If the dial is not held, the date and day jumpers could come disengaged from the gear teeth.)

TECHNICAL GUIDE

Cal. V336A

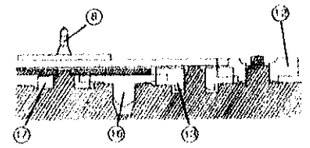
⑦ Calendar mechanism plate
- Lubricating

Date jumper section

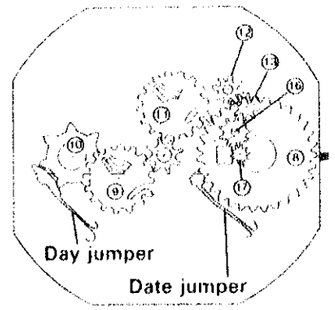
Day jumper section

⑧ ~ ⑰ Calendar wheels
- Setting position

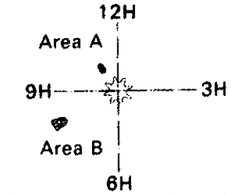
1) Assemble the day jumper and date jumper so that they are securely engaged with the gear teeth.

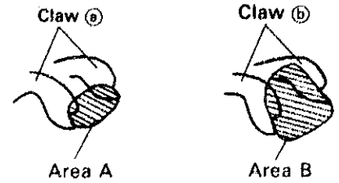


2) The calendar corrector setting wheel ⑯, intermediate date wheel ⑬ and date corrector setting wheel ⑫ have distinct front and back sides.
When assembling them, refer to the diagram on the right.



⑨ Day driving wheel
⑪ Date driving wheel
- Set the date driving wheel ⑪ so that its claw ⑧ is in shaded area A. (See the illustration below.)
- Set the day driving wheel ⑨ so that its claw ⑤ is in shaded area B. (See the illustration below.)





⑯ Calendar corrector setting wheel
- Lubricating

sliding surface of calendar corrector setting wheel.

2. VALUE CHECKING

Refer to the Technical Guide for cal. V3 series.

- **Coil block resistance:**
  3.0 kΩ ~ 3.4 kΩ
- **Current consumption**
  For the whole movement: Less than 1.2 μA
  For the circuit block only: Less than 0.4 μA

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.

87-6 Printed in Japan