



# TECHNICAL GUIDE & PARTS CATALOGUE

## Cal.VJ2 Series (VJ22B/23B/24B)

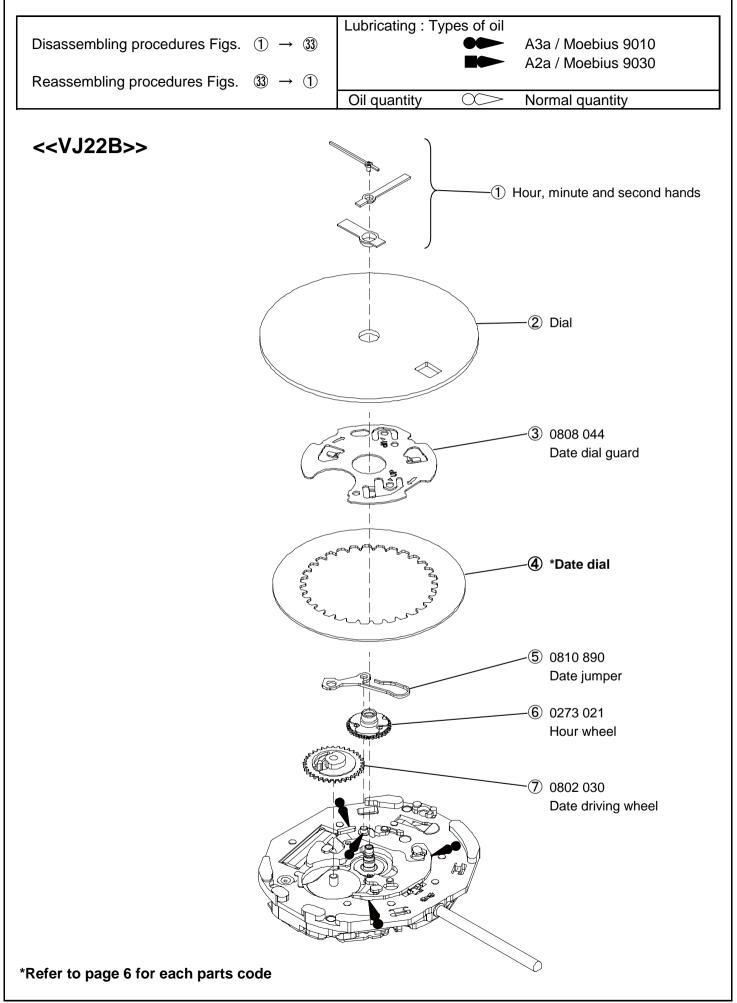
## ANALOGUE QUARTZ

### **SPECIFICATION**

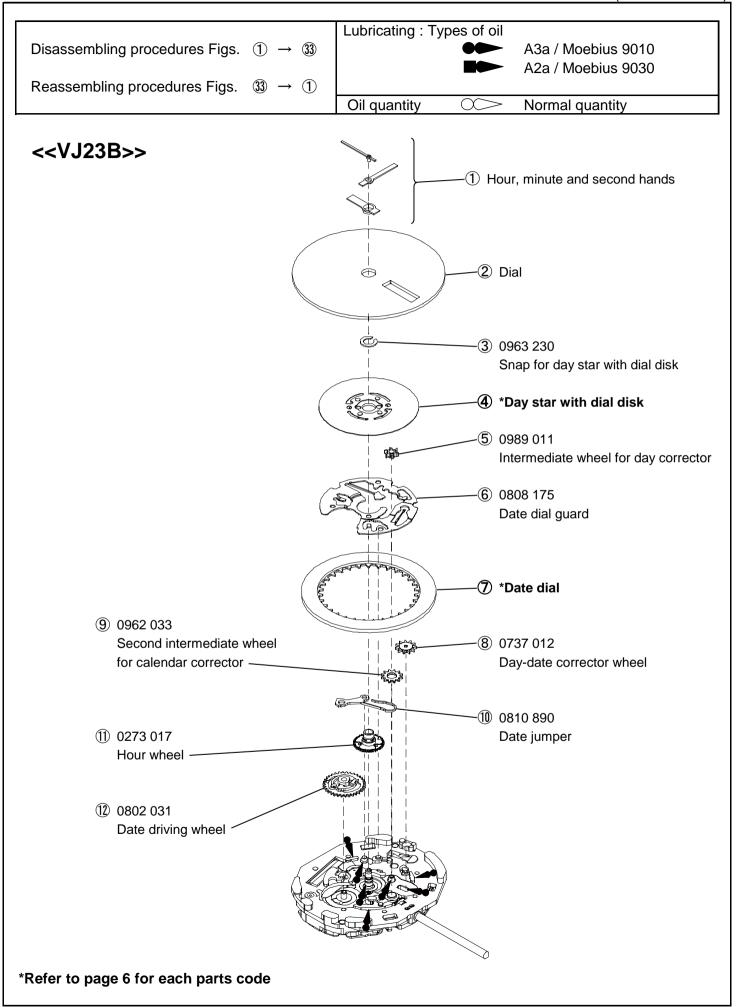
Item	Cal. No.	VJ22B	VJ23B	VJ24B		
Movement						
Movement	Outside diameter	<ul> <li>φ18.50 mm</li> <li>18.20 mm : between 12 o'clock and 6 o'clock sides</li> <li>16.10 mm : between 3 o'clock and 9 o'clock sides</li> </ul>				
size	Casing diameter	φ18.10 mm 17.80 mm : between 12 o'clock and 6 o'clock sides				
	Total height	2.71 mm	2.94 mm	2.71 mm		
Time indicat	ion	(including the battery) 3 Hands Calendar	(including the battery) 3 Hands Day & Date Calendar	(including the battery) 2 Hands Calendar		
Driving syste	em	Step motor(Load compensated driving pulse system type)				
Additional mechanism		Electronic circuit reset switch Second setting device Date setting	Electronic circuit reset switch Second setting device Date setting Day setting	Electronic circuit reset switch Date setting		
Antimagnetio	c	≧ 1600 A/m				
Loss/Gain (Monthly rate) Frequency of crystal oscillator		Less than ± 20 seconds at normal temperature range 32,768 Hz				
Operational temperature range		- 5 °C ~ + 50 °C				
Regulation system		Nil				
Measuring gate by quartz tester		Use 10 second gate * Set the winding stem with crown at the normal position				
Battery		SR621SW (Silver oxide battery) Battery life is approximately 3 years				
Jewels		0 Jewel				



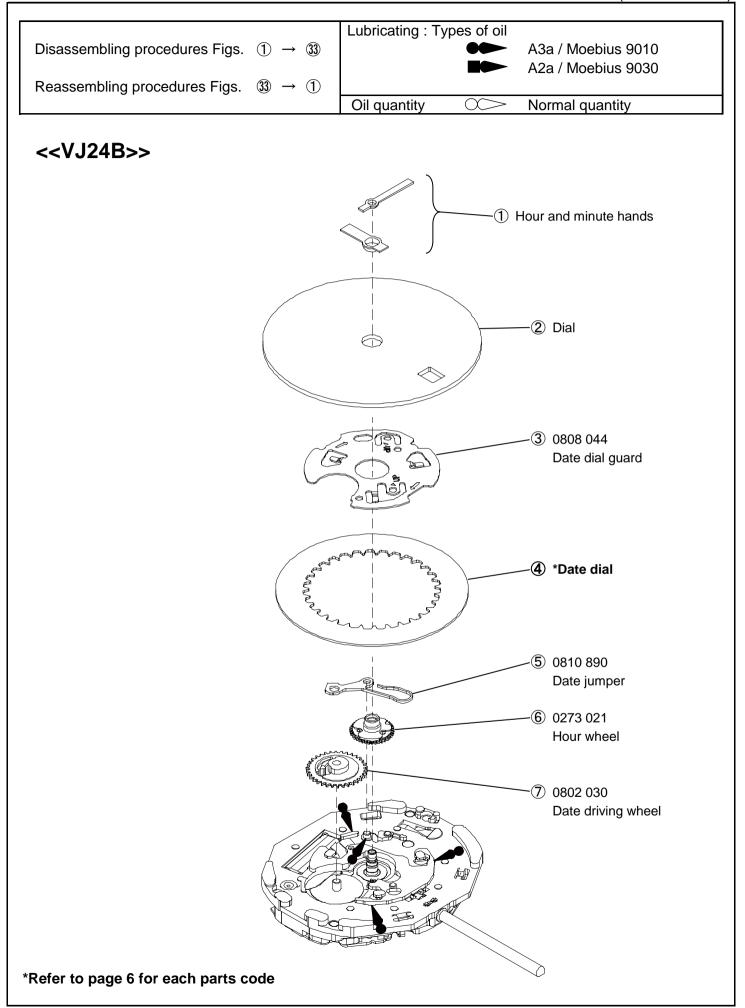
Version-02 Cal.VJ2 Series (VJ22B/23B/24B)



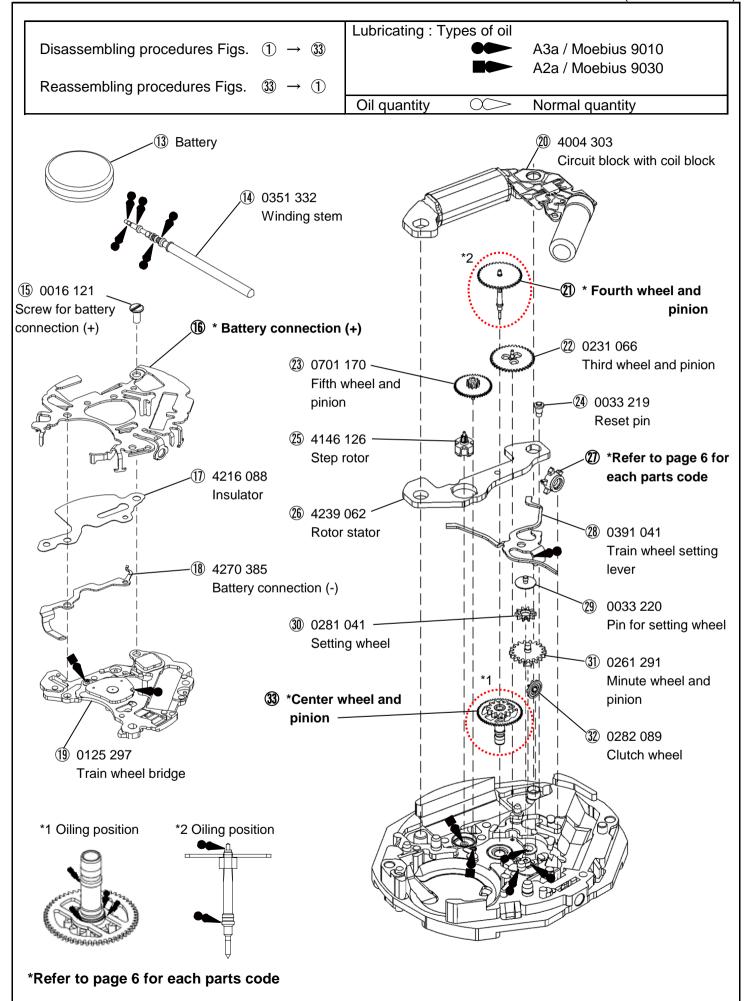














#### Remarks:

#### O Date dial

<VJ22B/24B>

Part code	Positing of crown	Positing of date frame	Color of figure	Color of background
0878 152	ЗH	3H	Black	White
0878 155	3H	3H	White	Black
0878 160	3H	6H	Black	White
0878 161	ЗH	6H	White	Black

#### <VJ23B>

Part code	Positing of crown	Positing of date frame	Color of figure	Color of background
0878 172	3H	3H	Black	White

#### O Day star with dial disk

<VJ23B>

Part code	Positing of crown	Positing of date frame	Color of figure	Color of background	Language
0150 007	ЗH	ЗH	MON~SAT:Black SUN :Red	White	English & Spanish

#### O Different parts for each CAL.

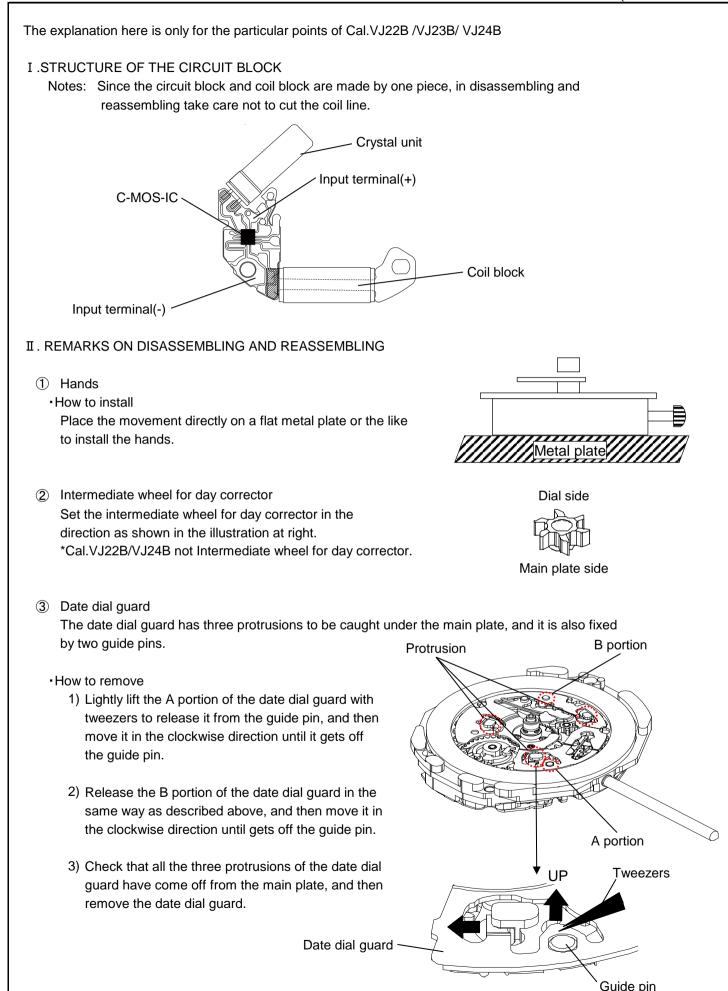
Parts name		VJ22B	VJ23B	VJ24B
27)	Date corrector wheel	0806 142	_	0806 142
	First intermediate wheel for calendar corrector	_	0962 009	_
33	Center wheel and pinion	0221 055	0221 061	0221 055

#### O The part which is not common in Cal.VJ22B/VJ23B/VJ24B

Parts name	VJ22B	VJ23B	VJ24B
(16) Battery connection(+)	4268 036	4268 042	4268 044
⑦ Fourth wheel and pinion	0144 097	0144 102	0144 088

#### \*All parts code are subject to change without notice.







### **TECHNICAL GUIDE**

Version-01 Cal.VJ2 Series (VJ22B/23B/24B)



(4) Battery

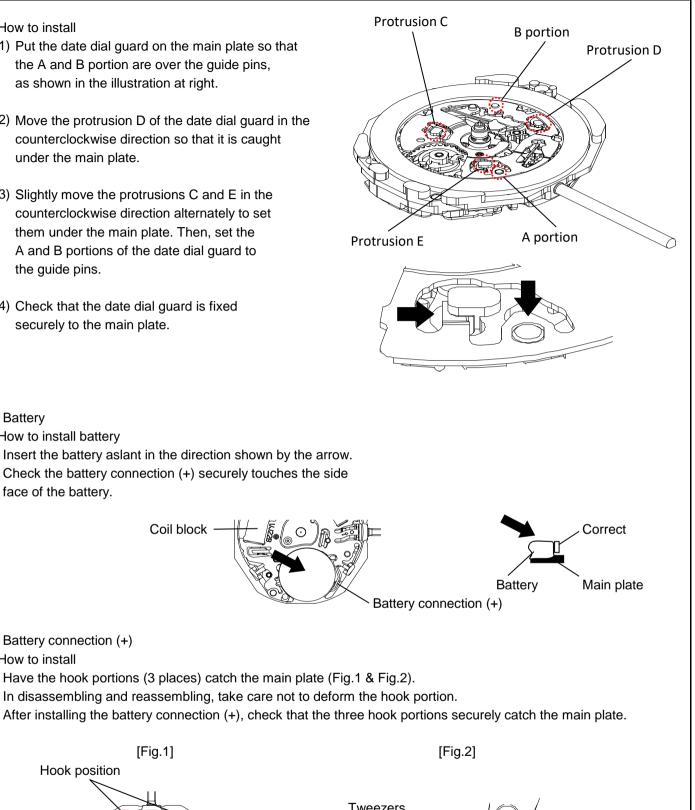
·How to install battery

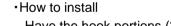
face of the battery.

- 1) Put the date dial guard on the main plate so that the A and B portion are over the guide pins, as shown in the illustration 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.

Coil block

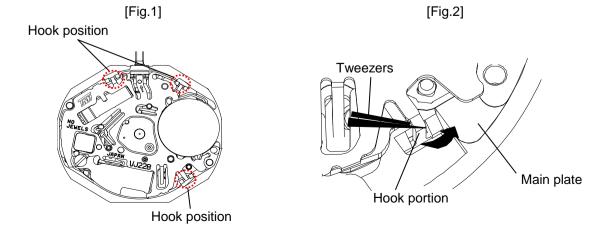
4) Check that the date dial guard is fixed securely to the main plate.



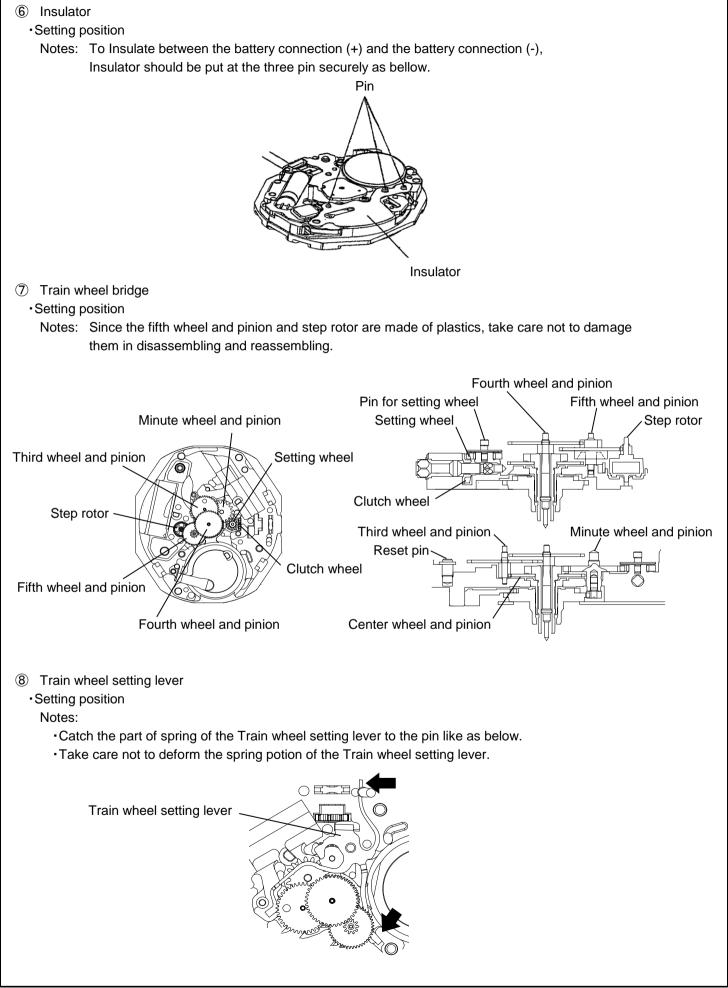


(5) Battery connection (+)

Have the hook portions (3 places) catch the main plate (Fig.1 & Fig.2). In disassembling and reassembling, take care not to deform the hook portion. After installing the battery connection (+), check that the three hook portions securely catch the main plate.









#### 9 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.

