

TECHNICAL GUIDE & **PARTS CATALOGUE** Cal.VJ20B/C Cal.VJ21B/C ANALOGUE QUARTZ

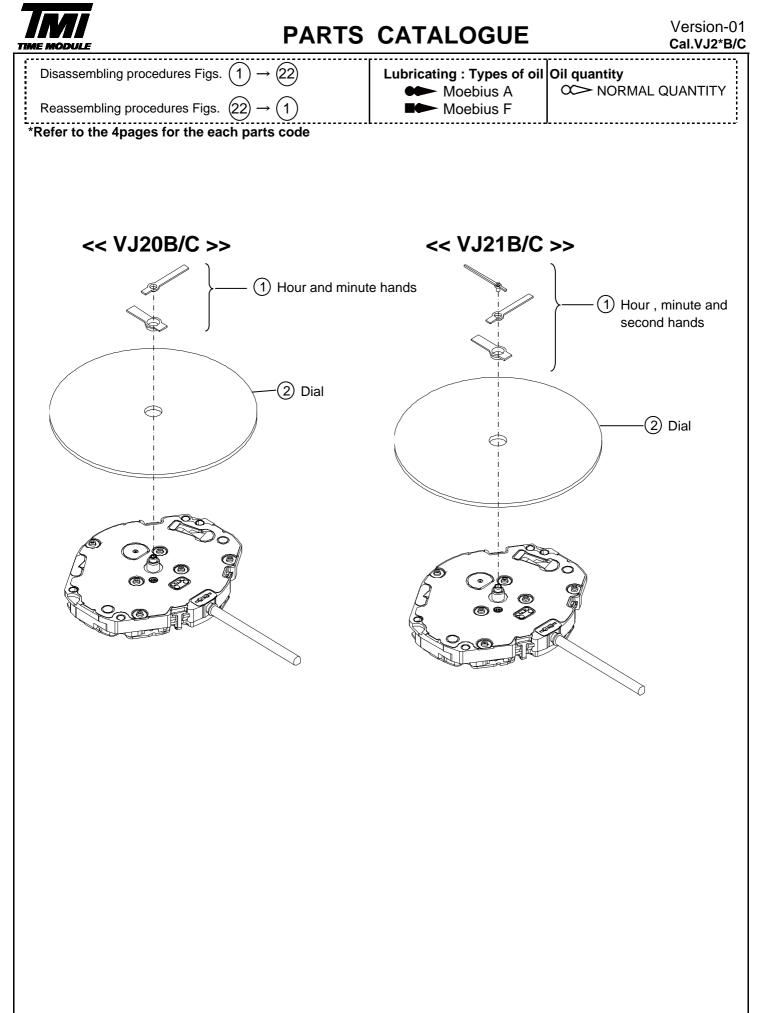


PARTS CATALOGUE / TECHNICAL GUIDE VJ20B/C VJ21B/C

[SPECIFICATION]

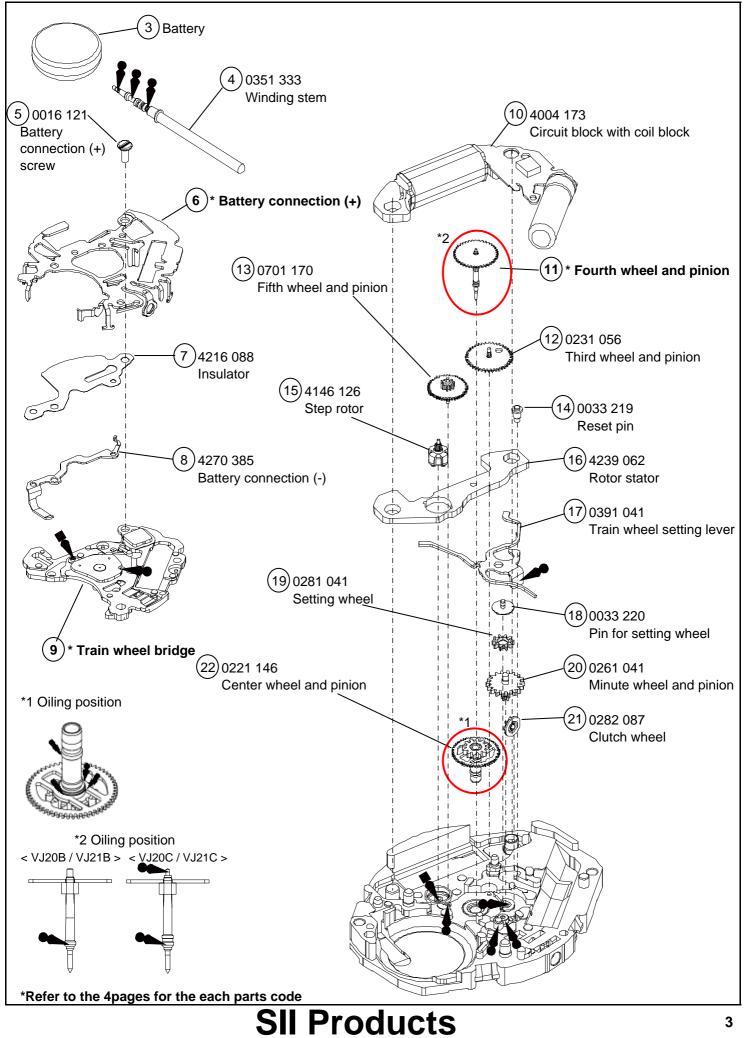
tem	Cal. No.	VJ20B/C	VJ21B/C			
Movement						
Movement size	Outside diameter	 φ18.50 mm 18.20 mm : between 12 o'clock and 6 o'clock sides 15.30 mm : between 3 o'clock and 9 o'clock sides 				
	Casing diameter	φ18.10 mm 17.80 mm : between 12 o'clock and 6 o'clock sides				
	Total height	2.28 mm (including the battery)				
Time indication		2 Hands	3 Hands			
Driving System		Step motor (Load compensated driving pulse system type)				
Additional mechanism		Electronic circuit reset switch	Electronic circuit reset switch Second setting device			
Loss/Gain (Monthly rate) Frequency of crystal oscillator		Less than ±20seconds 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-01





PARTS CATALOGUE





O The part which is not common in Cal.VJ2*B and Cal.VJ2*C

Parts name	VJ20B	VJ21B	VJ20C	VJ21C
6 Battery connection(+)	4271 363	4271 351	4268 032	4268 029
(9) Train wheel bridge	0125 262	0125 262	0125 297	0125 297
(1) Fourth wheel and pinion	0241 194	0241 104	0241 469	0241 467

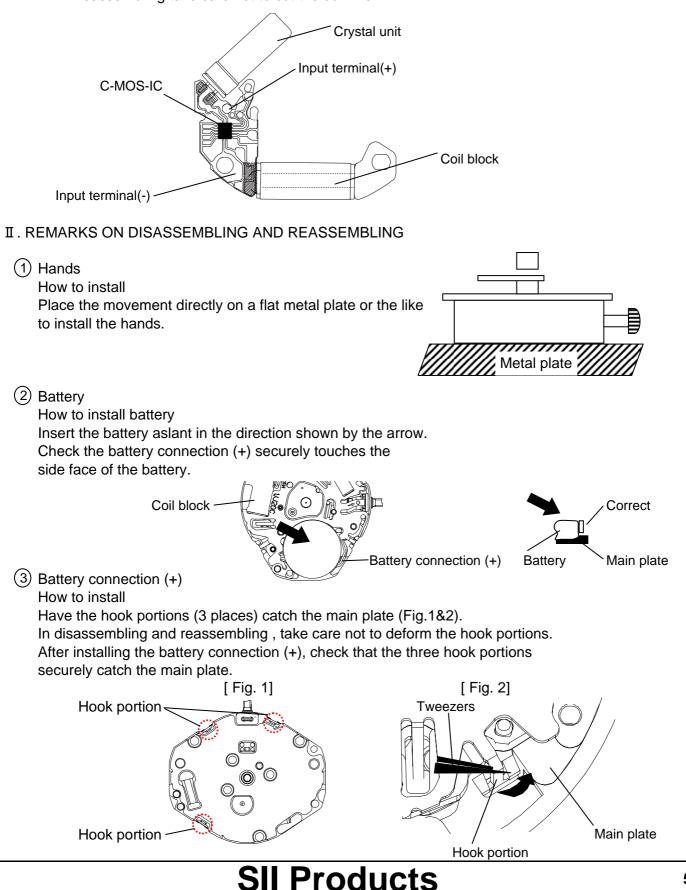
* All parts code are subject to change without notice.



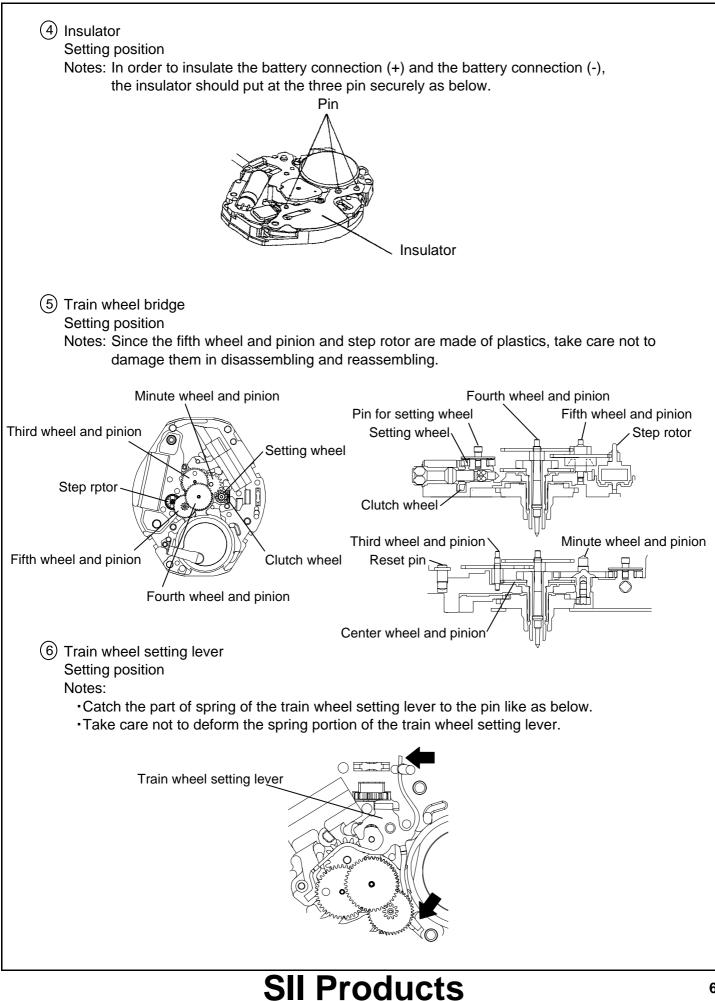
The explanation here is only for the particular points of Cal.VJ20/21

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.





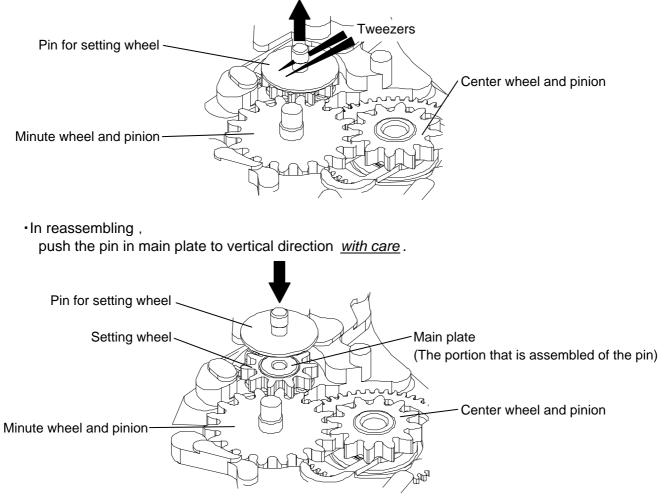




(7) Pin for setting wheel

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.



III. VALUE CHECKING

Coil block resistance $2.10 K\Omega \sim 2.30 K\Omega$ Current consumptionFor the wheel of the movementless than $0.96 \mu A$