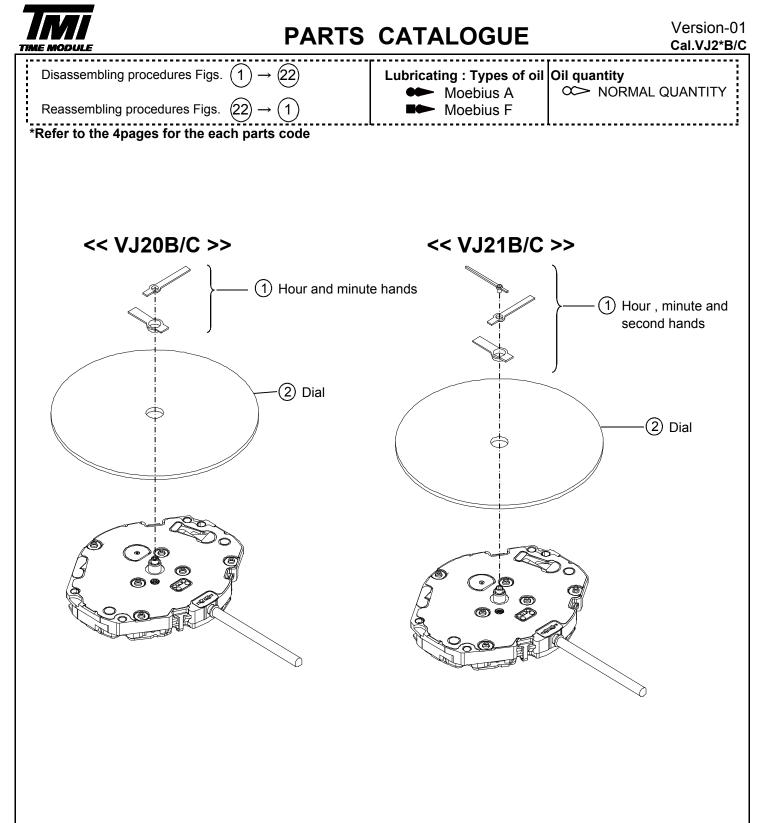


TECHNICAL GUIDE & **PARTS CATALOGUE** Cal.VJ20B/C Cal.VJ21B/C ANALOGUE QUARTZ



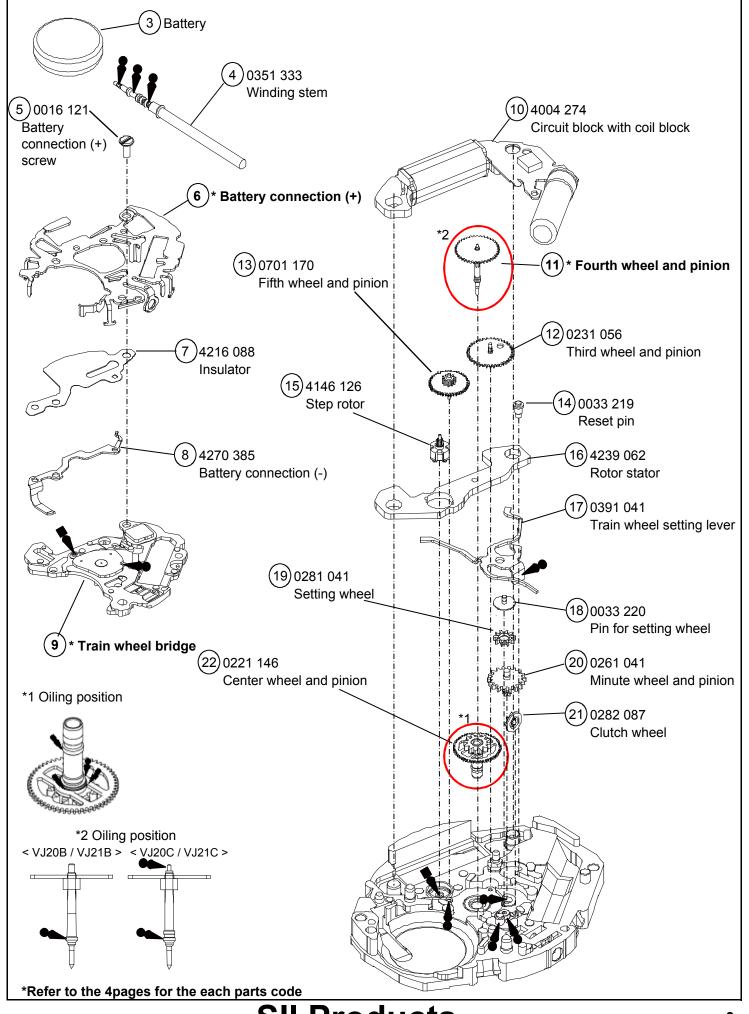
PARTS CATALOGUE / TECHNICAL GUIDE VJ20B/C VJ21B/C

Version-01 [SPECIFICATION] Cal. No. VJ21B/C VJ20B/C Item Movement φ18.50 mm Outside diameter 18.20 mm : between 12 o'clock and 6 o'clock sides 15.30 mm : between 3 o'clock and 9 o'clock sides φ18.10 mm Movement size Casing diameter 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) Electronic circuit reset switch Electronic circuit reset switch Additional mechanism Second setting device Loss/Gain (Monthly rate) Less than ±20seconds at normal temperature range Frequency of crystal oscillator 32.768 Hz $-5^{\circ}C \sim +50^{\circ}C$ Operational temperature range **Regulation system** Nil Measuring gate by Use 10-second gate quartz tester * Set the winding stem with crown at the normal position SR621SW (Silver oxide battery) Battery Battery life is approximately 3 years Jewels 0 Jewel





PARTS CATALOGUE



SII Products



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

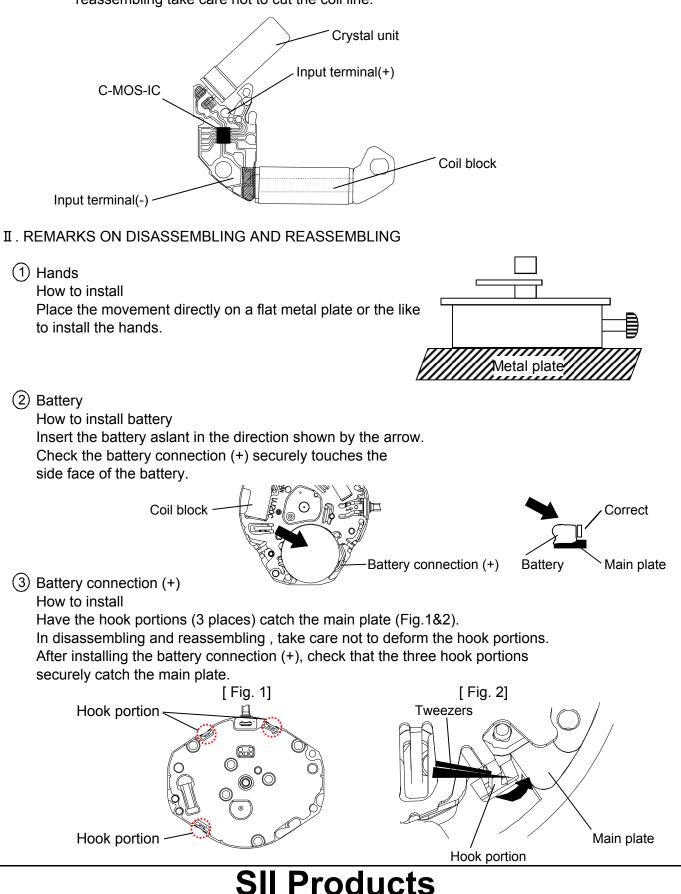
* All parts code are subject to change without notice.



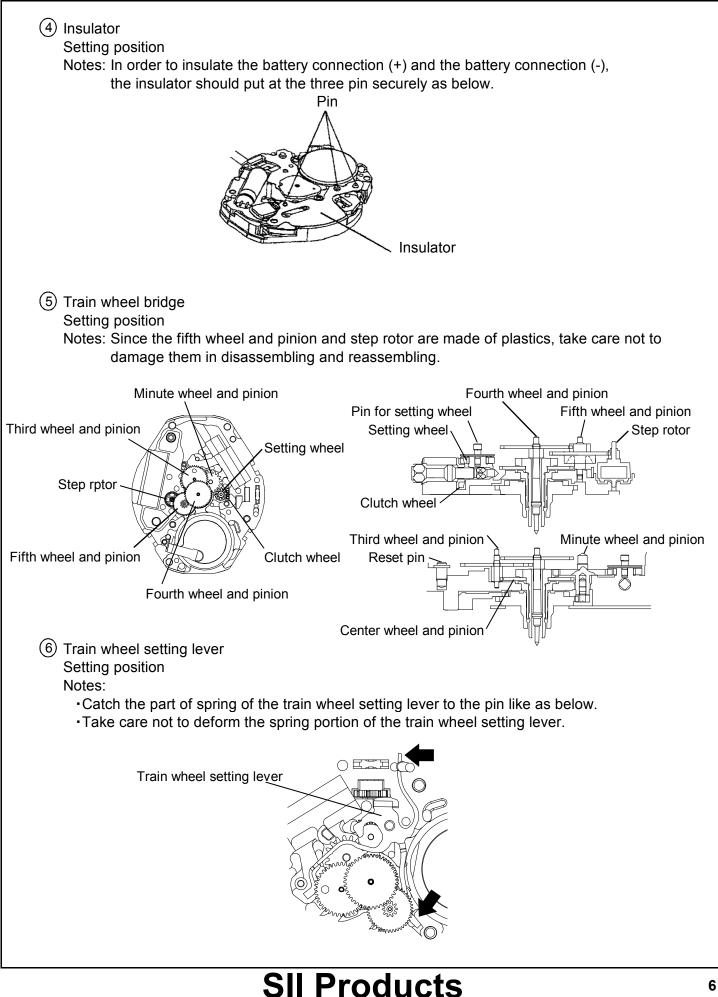
The explanation here is only for the particular points of Cal.VJ20/21

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.





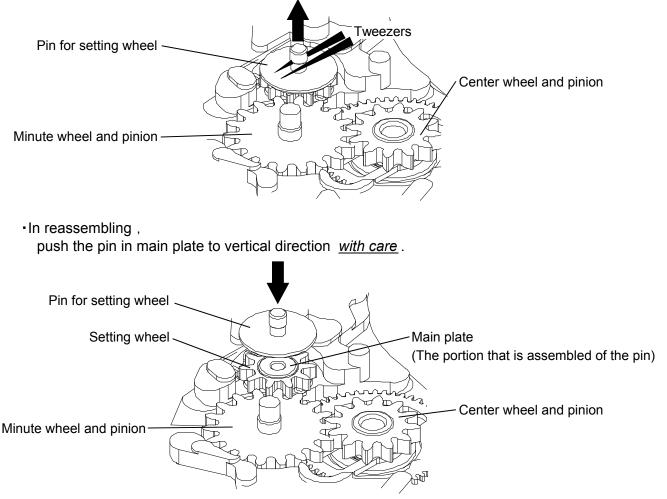




7 Pin for setting wheel

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 $2.10K\Omega \sim 2.30K\Omega$ Current consumptionFor the wheel of the movementLess than $0.96\mu A$