

**TECHNICAL GUIDE
&
PARTS CATALOGUE**

**Cal.VJ20C
Cal.VJ21C**

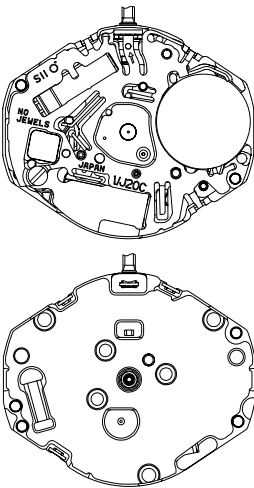
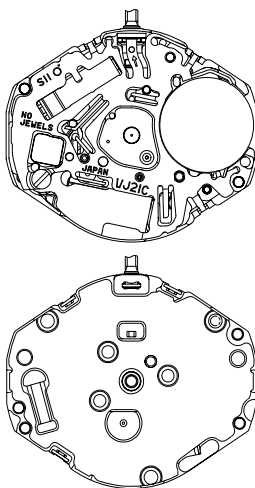
ANALOGUE QUARTZ

SII Products



VJ20C VJ21C


[SPECIFICATION]

Version-02

Item		Cal. No.	VJ20C	VJ21C
Movement				
Movement size	Outside diameter	ϕ 18.50 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	ϕ 18.10 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 \pm 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		

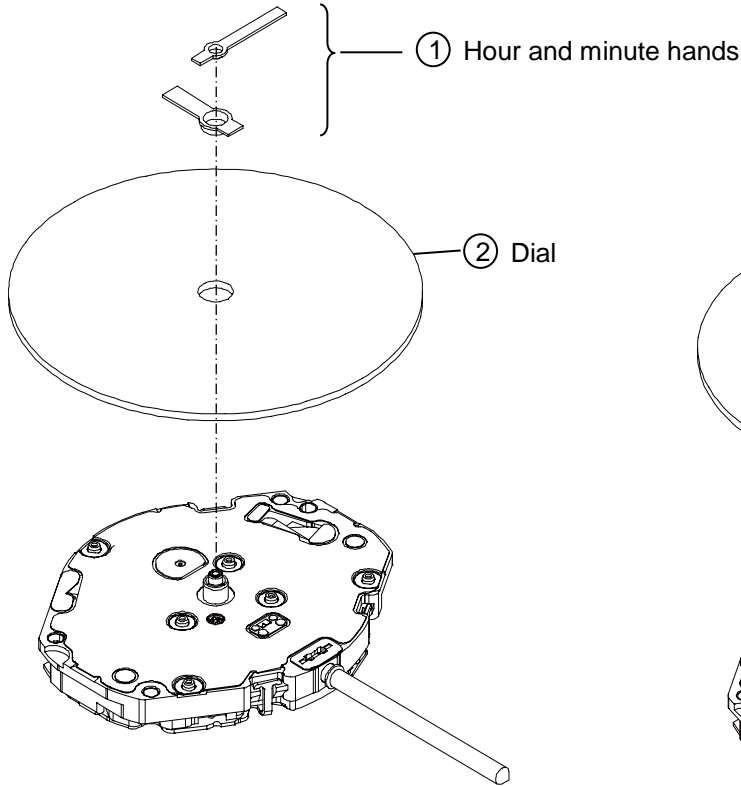
Disassembling procedures Figs. ① → ②②
 Reassembling procedures Figs. ②② → ①

Lubricating : Types of oil
 Moebius 9010
 Moebius 9030

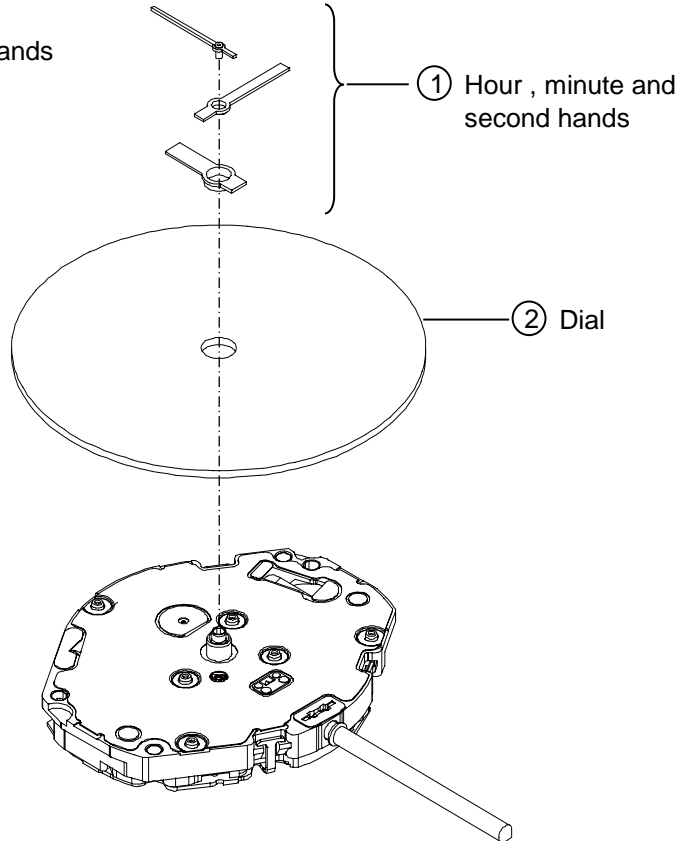
Oil quantity
 NORMAL QUANTITY

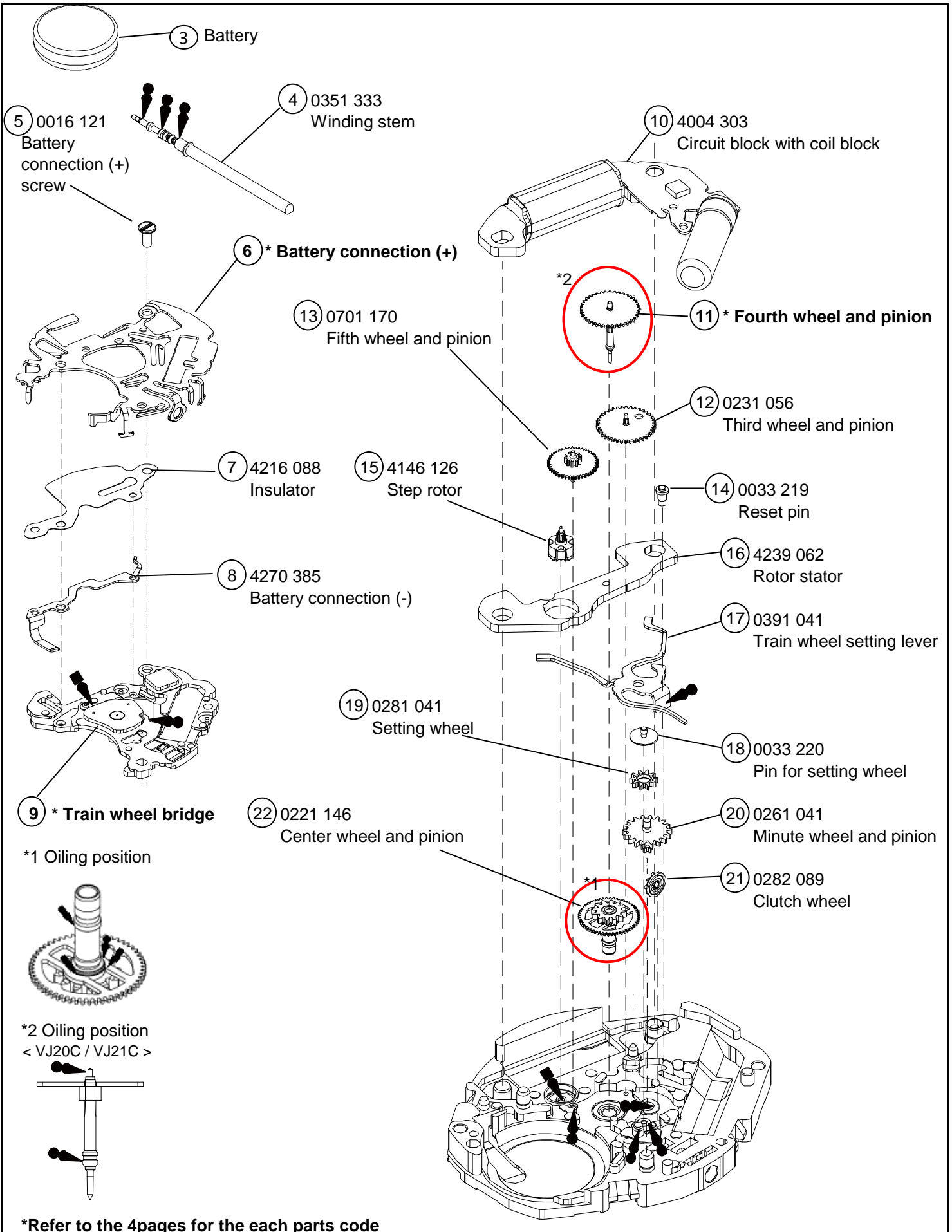
*Refer to the 4pages for the each parts code

<< VJ20C >>



<< VJ21C >>





○ The part which is not common in Cal.VJ2*C

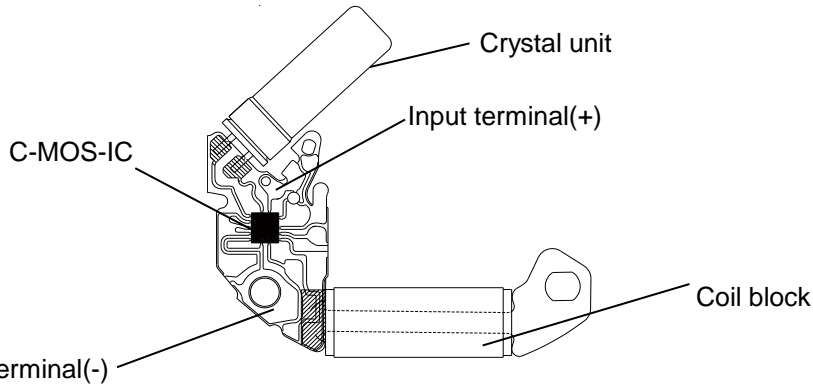
Parts name	VJ20C	VJ21C
⑥ Battery connection(+)	4268 032	4268 029
⑨ Train wheel bridge	0125 297	0125 297
⑪ Fourth wheel and pinion	0241 469	0241 467

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

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

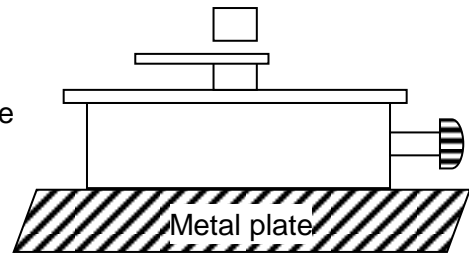
I . STRUCTURE OF THE CIRCUIT BLOCK

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.

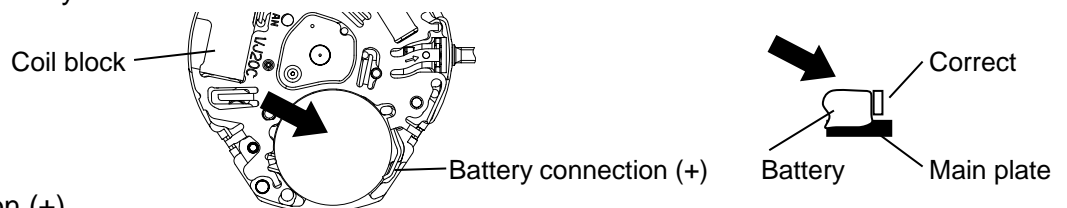


II . REMARKS ON DISASSEMBLING AND REASSEMBLING

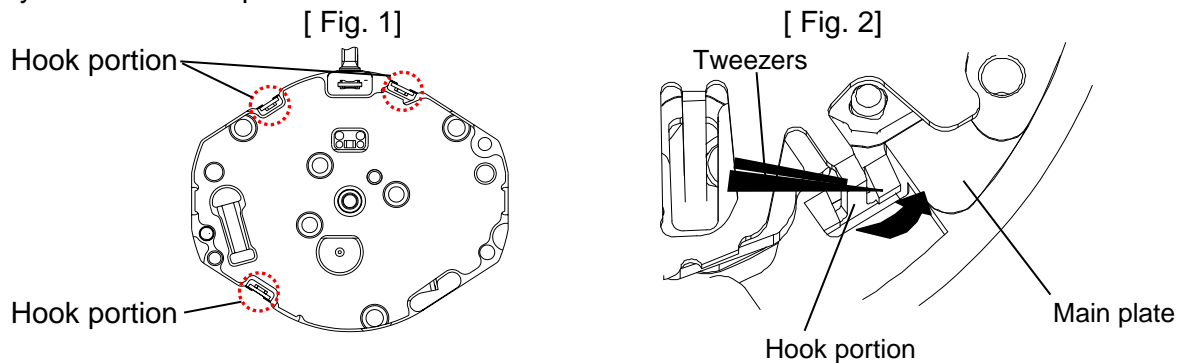
- ① Hands
How to install
Place the movement directly on a flat metal plate or the like to install the hands.



- ② Battery
How to install battery
Insert the battery aslant in the direction shown by the arrow.
Check the battery connection (+) securely touches the side face of the battery.

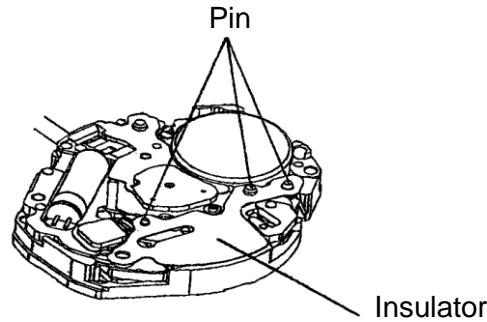


- ③ Battery connection (+)
How to install
Have the hook portions (3 places) catch the main plate (Fig.1&2).
In disassembling and reassembling , take care not to deform the hook portions.
After installing the battery connection (+), check that the three hook portions securely catch the main plate.



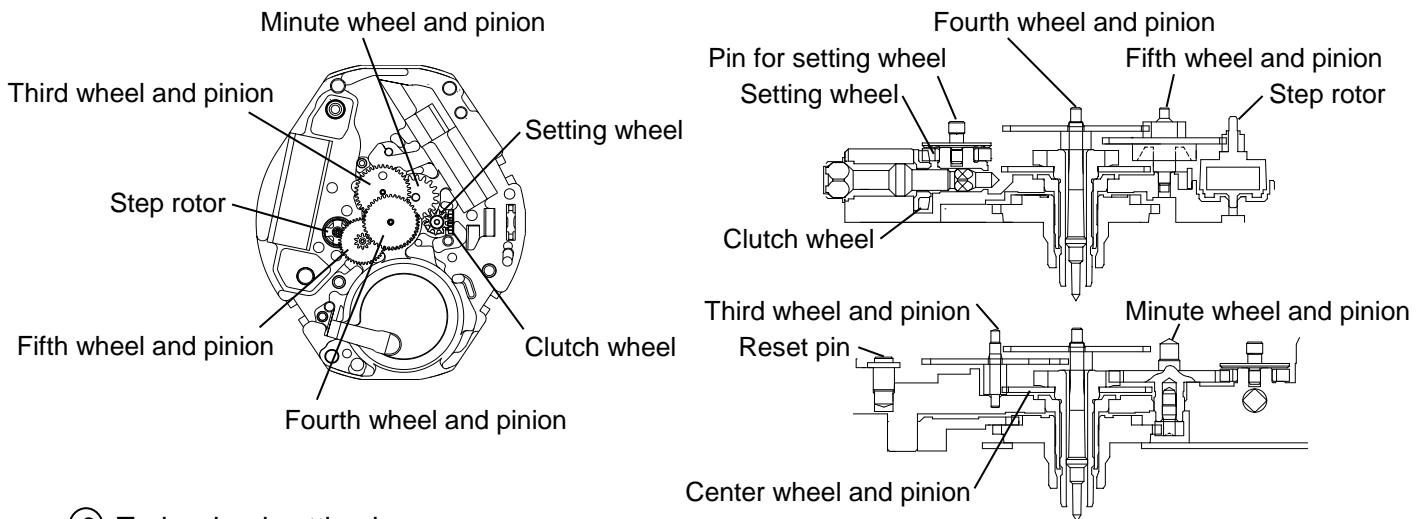
④ Insulator
Setting position

Notes: In order to insulate the battery connection (+) and the battery connection (-), the insulator should put at the three pin securely as below.



⑤ Train wheel bridge
Setting position

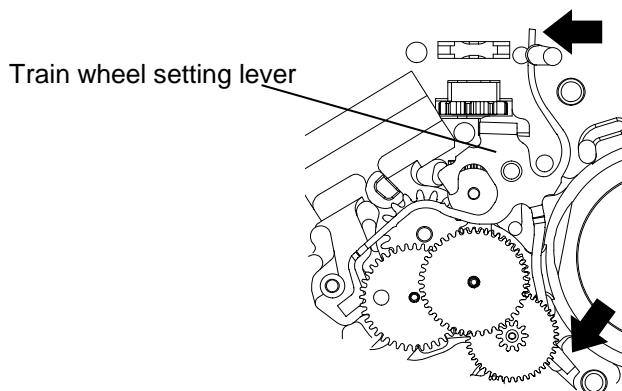
Notes: Since the fifth wheel and pinion and step rotor are made of plastics, take care not to damage them in disassembling and reassembling.



⑥ Train wheel setting lever
Setting position

Notes:

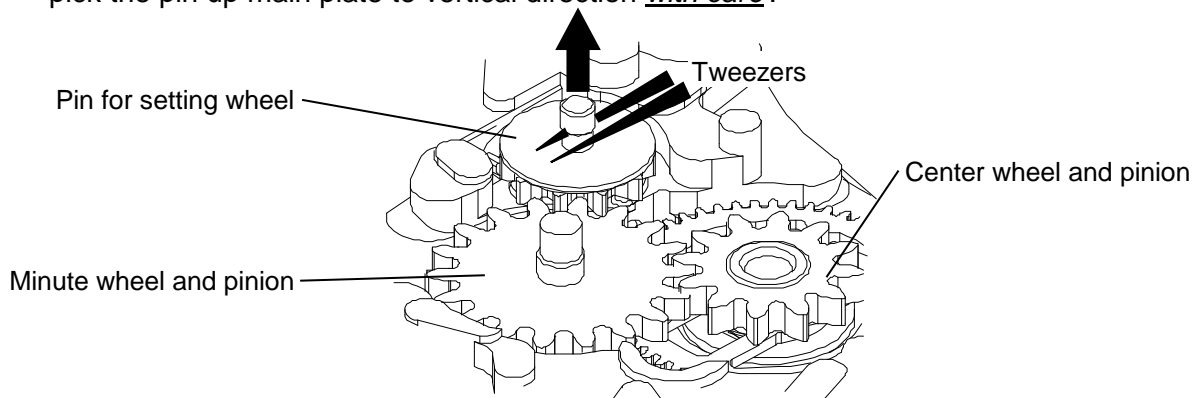
- Catch the part of spring of the train wheel setting lever to the pin like as below.
- Take care not to deform the spring portion of the train wheel setting lever.



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 .



- In reassembling ,
push the pin in main plate to vertical direction with care .

