TIME MODULE

19072024

TECHNICAL GUIDE

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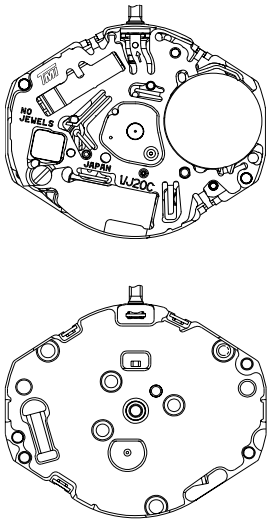
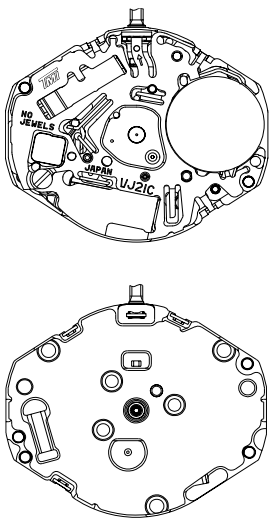
PARTS CATALOGUE

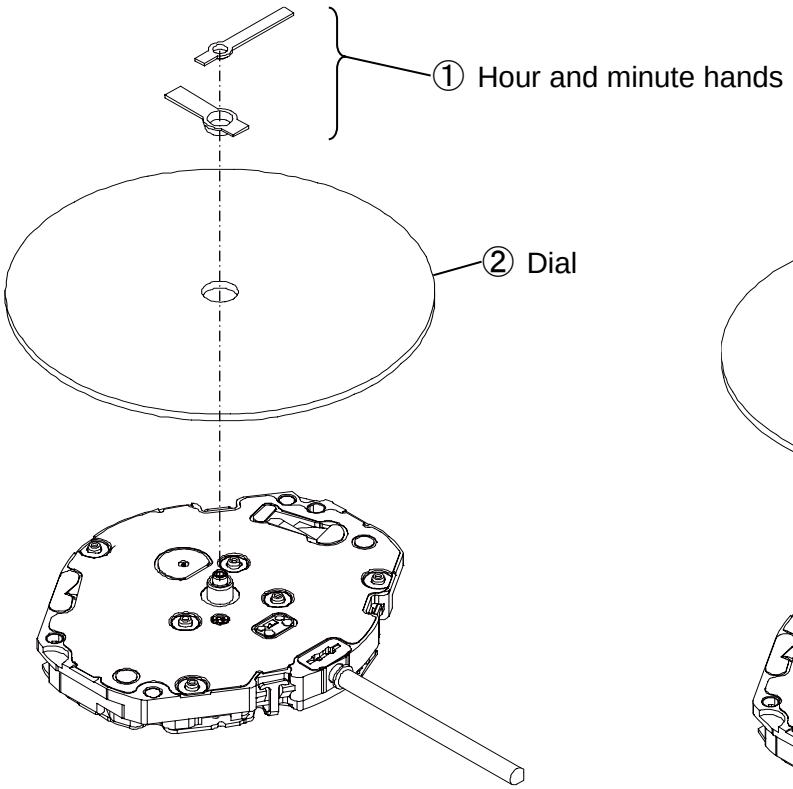
Cal.VJ2 Series
(VJ20C/21C)

ANALOGUE QUARTZ

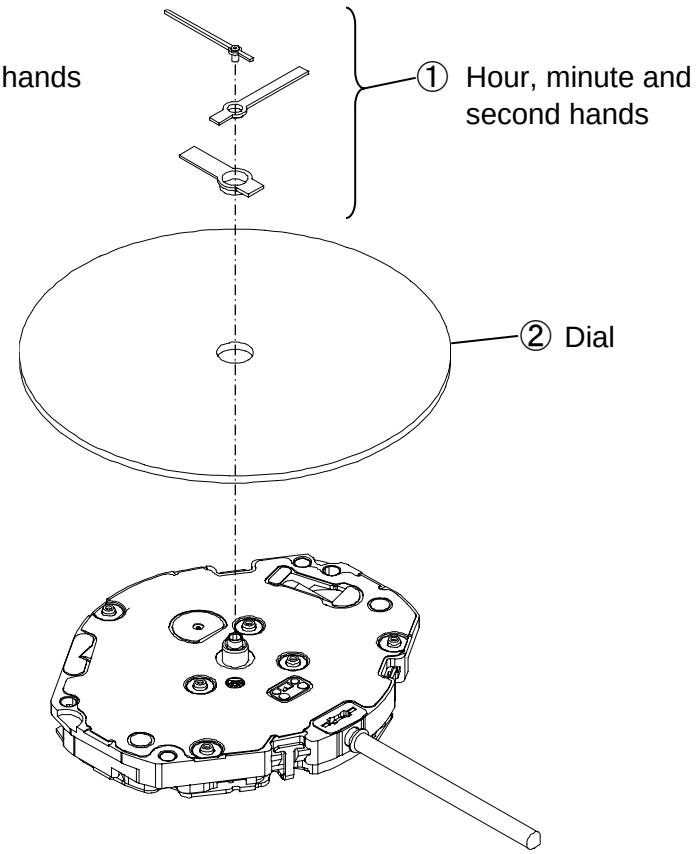
Item \ Cal. No.		VJ20C	VJ21C
Movement			
Movement size	Outside diameter	φ18.50 mm 18.20 mm : between 12 o'clock and 6 o'clock sides 15.30 mm : between 3 o'clock and 9 o'clock sides	
	Casing diameter	φ18.10 mm 17.80 mm : between 12 o'clock and 6 o'clock sides	
	Total height	2.28 mm (including the battery)	
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
Antimagnetic		≧ 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 ℃ ～ + 50 ℃	
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 A3a / Moebius 9010 A2a / Moebius 9030
	Oil quantity — Normal quantity

<< VJ20C >>



<< VJ21C >>



Disassembling procedures Figs. ① → ㉒ Reassembling procedures Figs. ㉒ → ①	Lubricating : Types of oil A3a / Moebius 9010 A2a / Moebius 9030
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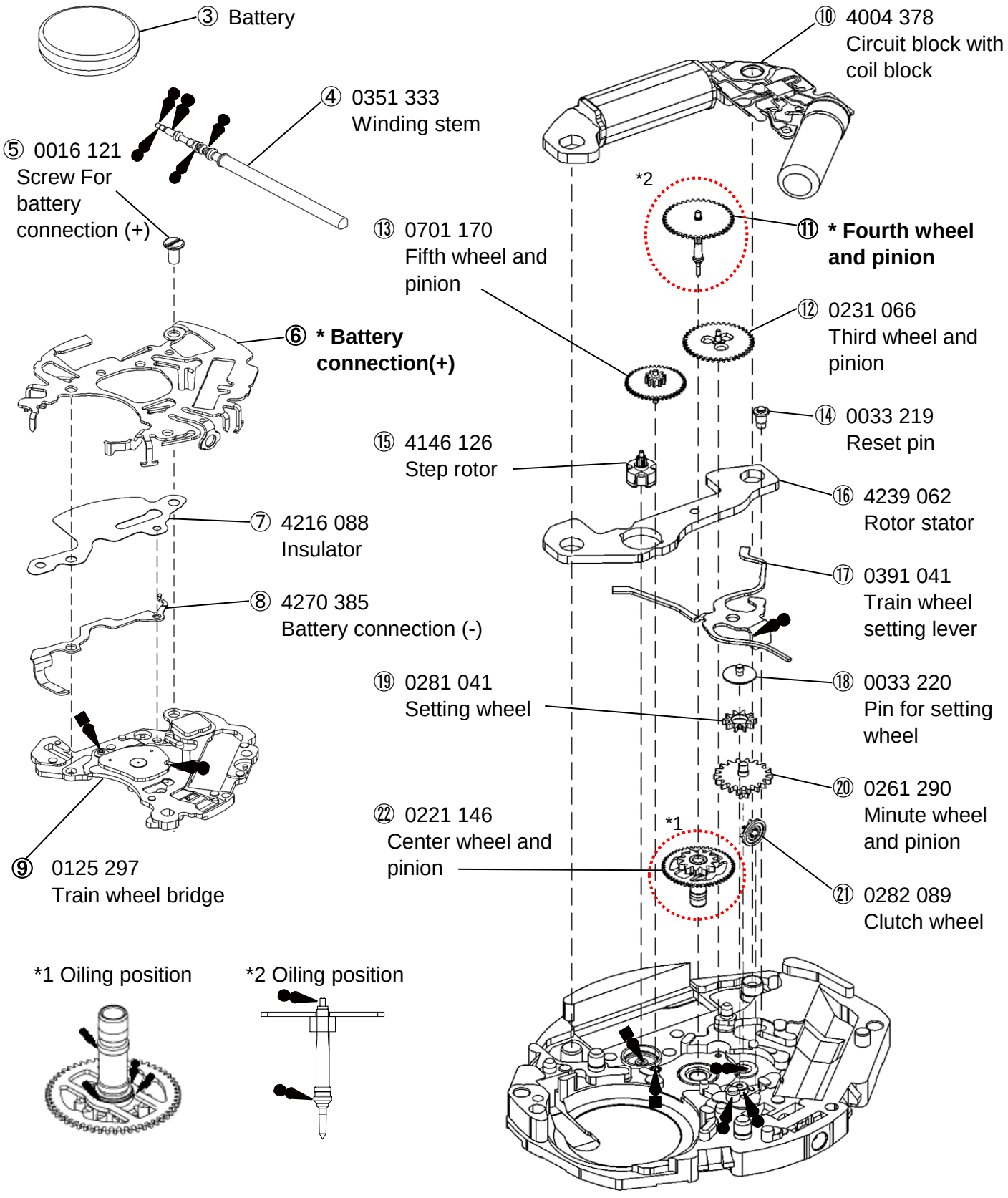


*1 Oiling position

*2 Oiling position

***Refer to page 4 for each parts code**

O The part which is not common in Cal.VJ20C/VJ21C

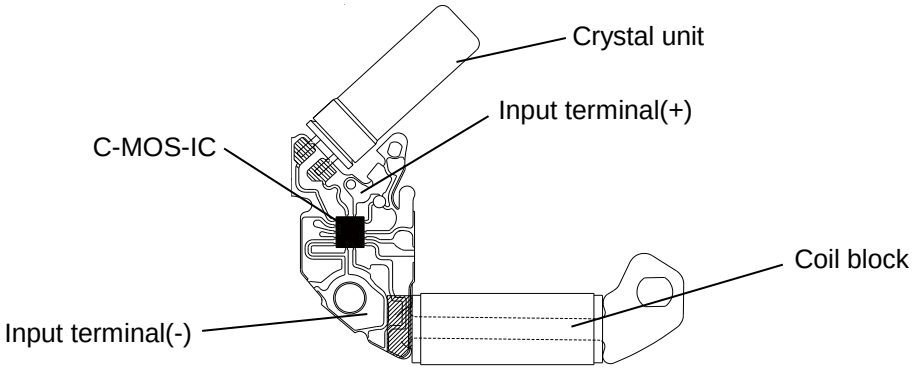
Parts name	VJ20C	VJ21C
⑥Battery connection(+)	4268 032	4268 029
⑪Fourth wheel and pinion	0241 469	0241 467

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

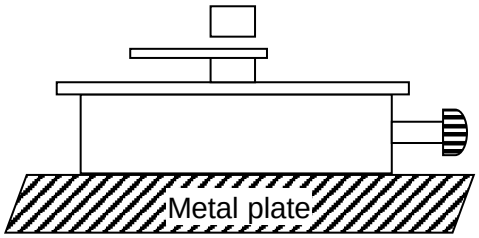
The explanation here is only for the particular points of Cal.VJ20C/21C

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

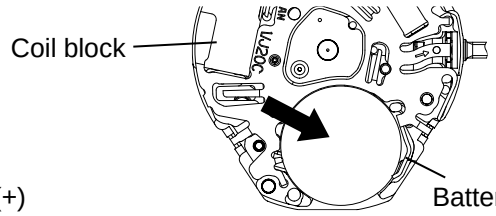
・How to install

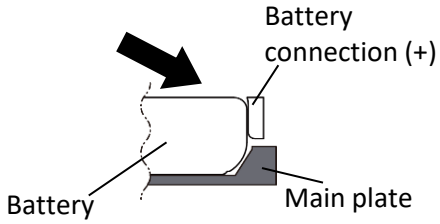
Place the movement directly on a flat metal plate or the like to install the hands.

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.



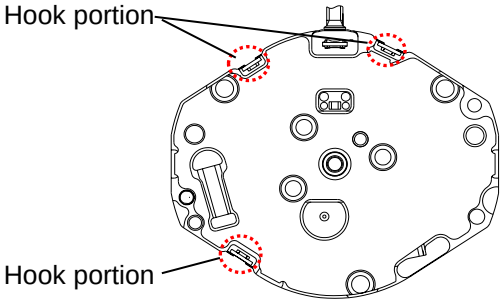


③ Battery connection (+)

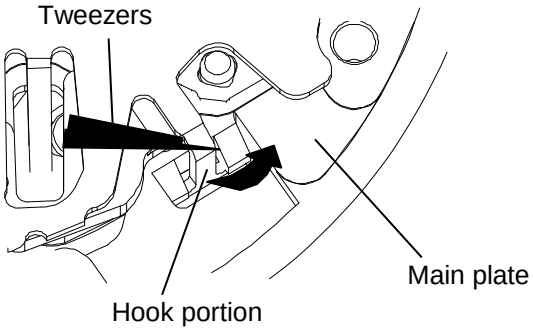
・How to install

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.

[Fig. 1]



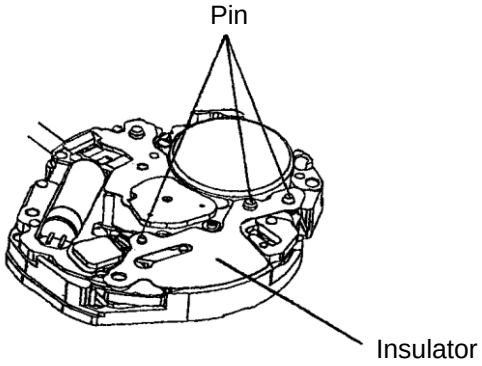
[Fig. 2]



④ Insulator

・Setting position

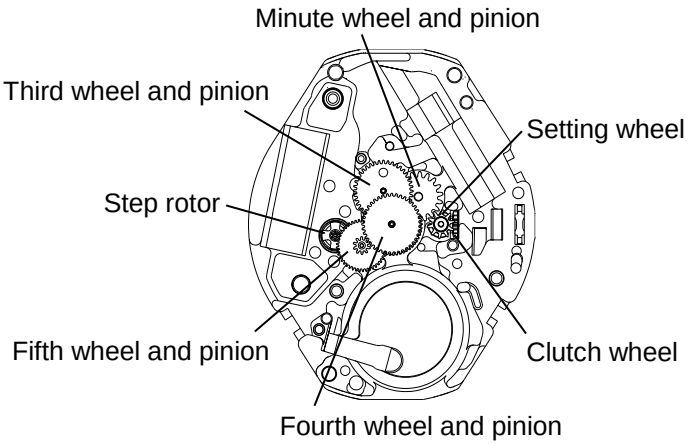
Notes: In order to insulate the battery connection (+) and the battery connection (-), the insulator should put at the three pin securely as below.

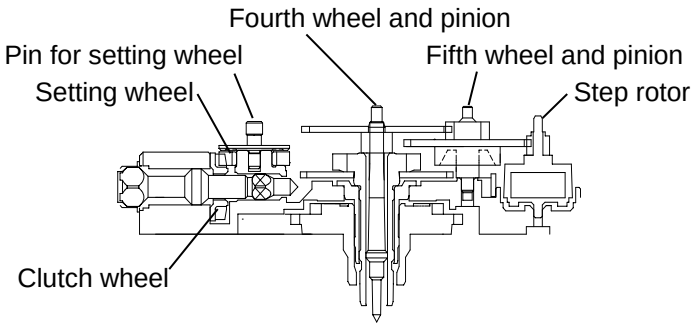


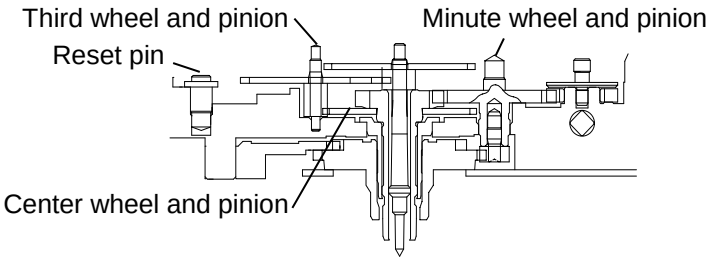
⑤ Train wheel bridge

・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.







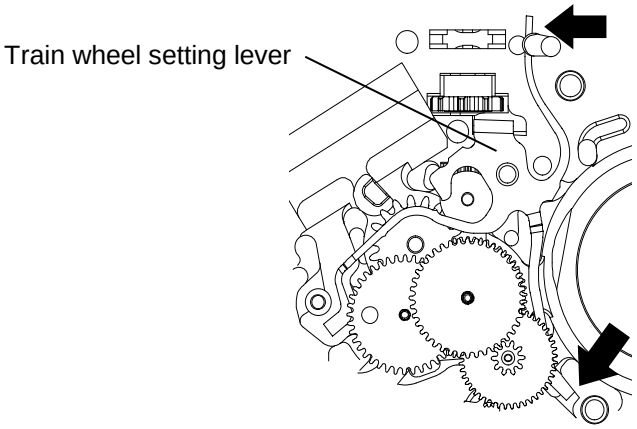
⑥ Train wheel setting lever

・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.

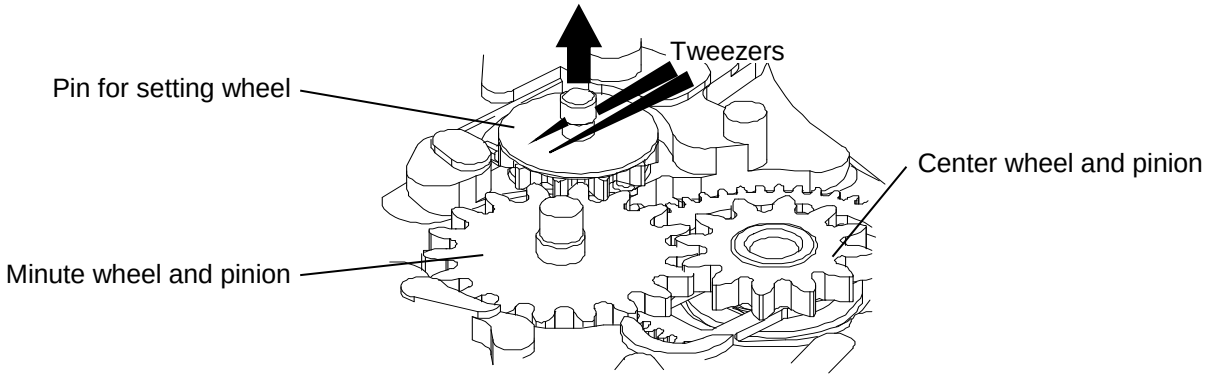
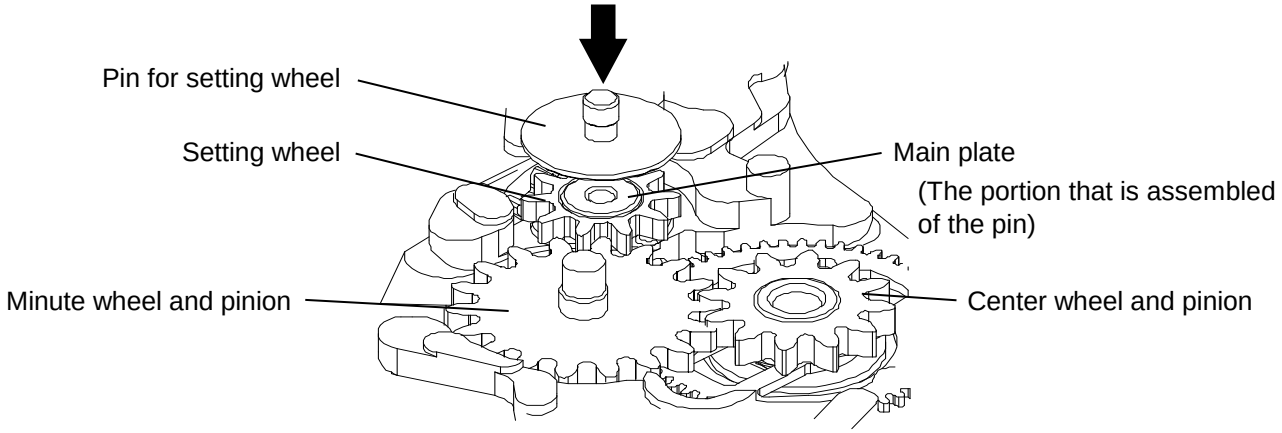


⑦ Pin for setting wheel

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***.