




EMMYWATCH

VINTAGE RESTORATIONS

Seiko 2906A Movement Parts (1)


Compiled by EmmyWatch - <https://www.emmywatch.com>




Cal. 2906A

Characteristics


Casing diameter: 18.00 φ mm
 Maximum height: 5.35 mm
 Vibrations per hour: 28,800
 Automatic and auxiliary hand winding with sweep second
 Calendar (day & date)
 Instant setting device for day & date calendar
 Bilingual change-over system for day of week
 "Diashock" Shock resistant device




112 710




122 710



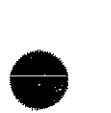
161 710




171 710



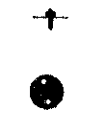
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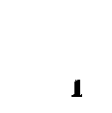
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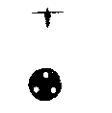
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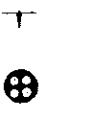
221 710




225 711




231 710



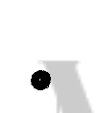
241 711




245 710




251 710




261 710




271 711



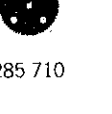
282 710



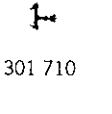
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284 710



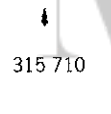
285 710




301 710




311 710



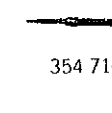
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341 711



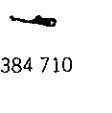
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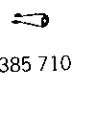
354 710




383 710




384 710




385 710



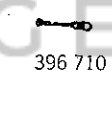
387 710




388 710




390 710




396 710




401 581




427 710




500 710




505 710




831 710




837 710




☆801 584




803 710




808 711




810 711




817 710




867 710




☆870 810



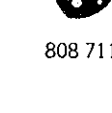
☆884 783



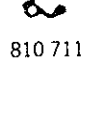
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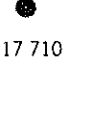
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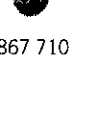
986 710




011 212




014 417




014 433



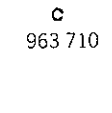
014 474



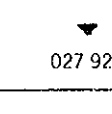
014 475



023 037



023 658



027 929

022 257 022 282 ☆022 421 022 470 022 490 022 491 022 764 1/2

1/2

Catalog No.

☆⇨ Please see remarks.

Calibre No.		Jewels	Style Name	
2906A		17j		
PART NO.	PART NAME	PART NO.	PART NAME	
112 710	Barrel & train-wheel bridge	014 417	Diashock spring	
122 710	Center wheel bridge	014 433	Diashock upper frame	
161 710	Pallet cock	014 474	Diashock lower frame	
171 710	Balance cock	014 475	Diashock hole jewel with frame	
193 710	Framework for automatic device with ball-bearing	023 037	Date jumper pin	
205 710	Complete barrel with arbor	023 658	Stud pin	
213 710	Barrel arbor	027 929	Crown wheel pin	
221 710	Center wheel & pinion	022 257	Yoke screw	
225 711	Cannon pinion	022 282	Minute wheel bridge screw	
231 710	Third wheel & pinion	022 282	Date dial guard screw	
241 711	Fourth wheel & pinion	☆022 421	Case screw	
245 710	Sweep second pinion	022 470	Barrel & train wheel bridge screw	
251 710	Escape wheel & pinion	022 470	Center wheel bridge screw	
261 710	Minute wheel	022 470	Pallet cock screw	
271 711	Hour wheel	022 470	Balance cock screw	
282 710	Clutch wheel	022 490	Screw for oscillating weight	
283 710	Winding pinion	022 491	Framework screw for automatic device with ball-bearing	
284 710	Crown wheel	022 764	Dial screw	
285 710	Ratchet wheel			
301 710	Jewelled pallet fork & staff			
311 710	Balance complete with stud			
315 710	Balance staff			
341 711	Regulator			
345 710	Stud holder			
354 710	Winding stem			
383 710	Setting lever			
384 710	Yoke (Clutch lever)			
385 710	Yoke spring (Clutch lever spring)			
387 710	Minute wheel bridge			
388 710	Setting lever spring			
390 710	Setting lever axle			
396 710	Friction spring for sweep second pinion			
401 581	Mainspring with slipping attachment			
427 710	Click lever			
500 710	Oscillating weight			
505 710	Transmission wheel			
831 710	Pawl lever with jewel			
837 710	Pawl lever holder			
☆801 584	Date dial			
803 710	Setting wheel lever complete			
808 711	Date dial guard			
810 711	Date jumper			
817 710	Intermediate date wheel			
867 710	Day-date driving wheel			
☆870 810	Day star with dial disk			
☆884 783	Holding ring for dial			
☆884 784				
963 710	Snap for day star with dial disk			
986 710	Day-date corrector wheel rocking lever			
011 151	Upper hole jewel for transmission wheel			
011 151	Lower hole jewel for transmission wheel			
011 153	Lower hole jewel for center wheel			
011 212	Diashock upper cap jewel			
011 212	Diashock lower cap jewel			
011 308	Lower hole jewel for third wheel			
011 505	Upper hole jewel for escape wheel			
011 505	Lower hole jewel for escape wheel			
011 505	Upper hole jewel for pallet			
011 505	Lower hole jewel for pallet			
011 716	Upper hole jewel for center wheel			

☆⇨ Please see remarks on the next page.
 Part numbers in light letters are not shown in photos.

Calibre No. 2906A	Jewels 17j	Style Name
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Remarks :

Date dial

☆801 584.....Used when both the crown and the date frame are located at **3** o'clock position.

If the date dial is required in any other type, specify ① Cal. No. ② the crown position
③ the date frame position and ④ the dial No.

Day star with dial disk

☆870 810(English ↔ Spanish, black figures on white background).....Used when both the crown
and the day frame are located at **3** o'clock position.

If the day star with dial disk is required in any other type, specify the number printed on the disk.

Holding ring for dial

☆884 783.....Used for the dial of 17 ϕ mm and 18 ϕ mm external diameter.

☆834 784.....Used for the dial of 19 ϕ mm external diameter.

If the part number of the holding ring for dial is unknown or its shape is different from the above,
specify ① Cal. No. ② the case No. and ③ the dial No. when ordering.

Case screw

☆022 421.....This screw is used by the type of case construction.

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VINTAGE RESTORATIONS

2906A

1) Specifications

Casing diameter: 18.00 mm
 Height: 5.35 mm
 Vibrations per hour: 28,800
 Automatic winding (with hand winding mechanism)

Calendar mechanism: Day & date, bilingual changeover system for the day of the week, instant day and date setting device

2) Features

- *Thin automatic day and date lady's watch*
 Having the technically excelled mechanism as with Cal. 2706 which has obtained a worldwide reputation for its high precision mechanism and variety of functions as a lady's watch, this watch offers a greater variety in design by making its movement slimmer than Cal. 2706.

- *Movement of highly stabilized time accuracy*

This movement is specially designed on the basis of the highly reliable movement mechanism of Cal. 61 series which have been marketed with a reputation on the overseas market.

- *Easy-to-use day/date setting device*

The day/date setting can be simply operated by turning the crown clockwise or counterclockwise after pulling out the crown in the 1st click position. At the same time, either of the two languages provided can be easily set to indicate the day of the week by the bilingual changeover system.

- *Simplified movement structure*

A sophisticated design of the watch movement has made it possible to reduce the number of parts and made it possible to adopt the new balance spring holding device. Thus, the simplified movement structure facilitates easy after-servicing.

3) Disassembling and reassembling

Disassembling procedures Figs.: ①~⑤⑤

Reassembling procedures Figs.: ⑤⑤~①

4) Lubricating

The following marks indicate the types of oil, quantities to be applied and lubricating portions.

Type of oil

- Moebius A
- Moebius V
- SEIKO Watch Oil S-6
- SEIKO Watch Oil S-3

Oil quantity

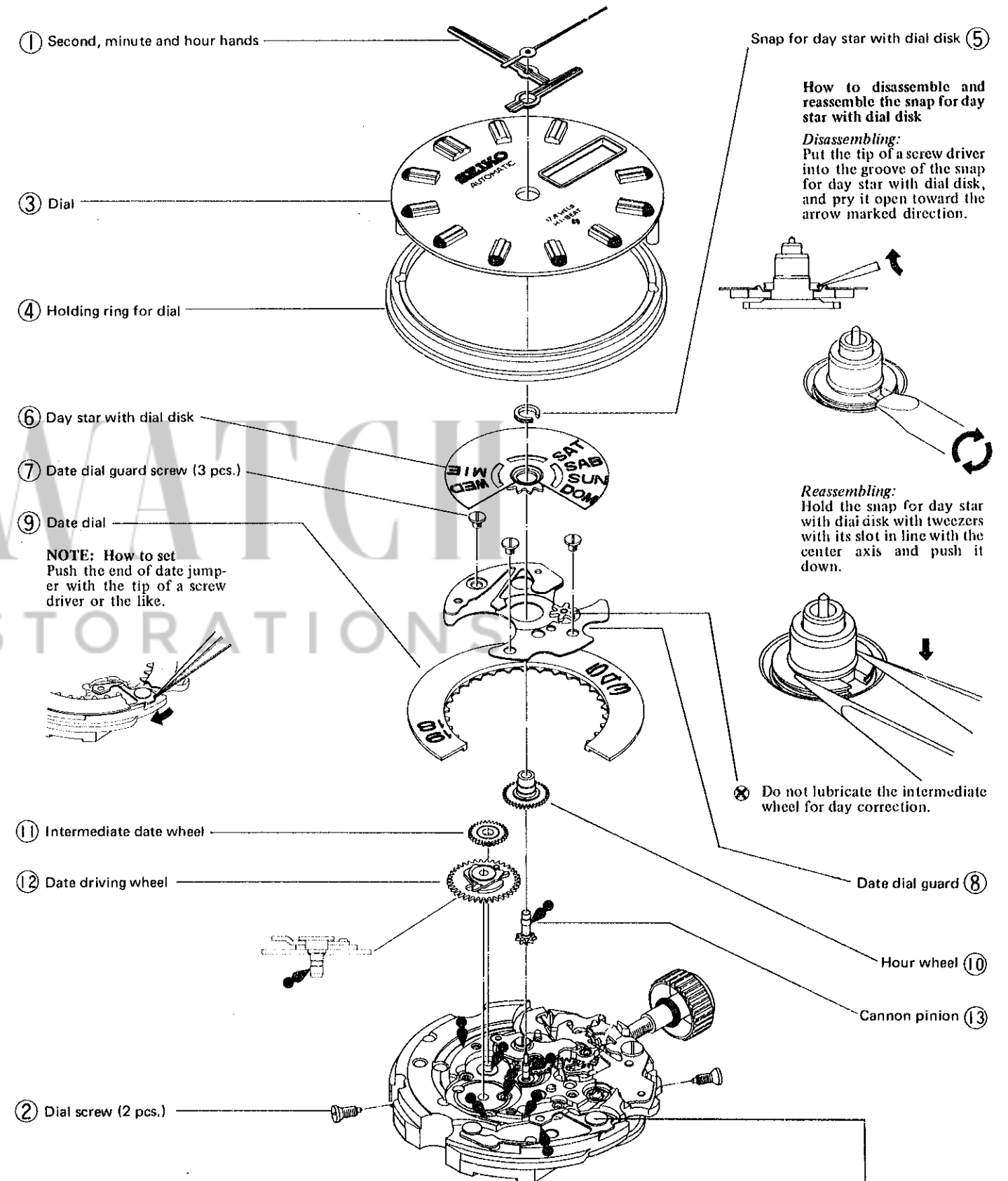
- Liberal quantity
- Normal quantity
- Extremely small quantity

Note: Never lubricate the portions marked ⊗



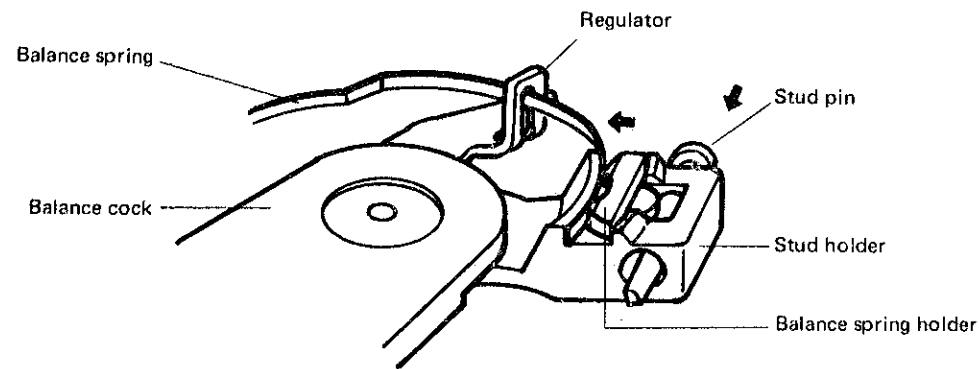
Movement

2906A Calendar mechanism



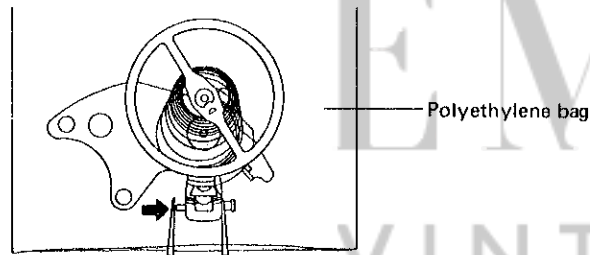
2906A Disassembling and reassembling of the balance spring holding device

This device newly developed by SEIKO is very easy to fix the balance spring terminal. What is more, it always keeps the balance spring horizontally and facilitates repair-servicing.



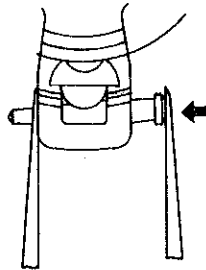
Remarks for disassembling

Push the end of the stud pin to remove. It is recommended to put the balance cock with balance in a polyethylene bag when disassembling, because the pin is liable to spring out.

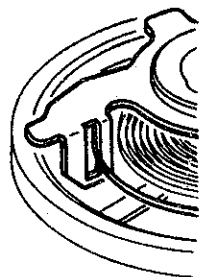


Remarks for reassembling

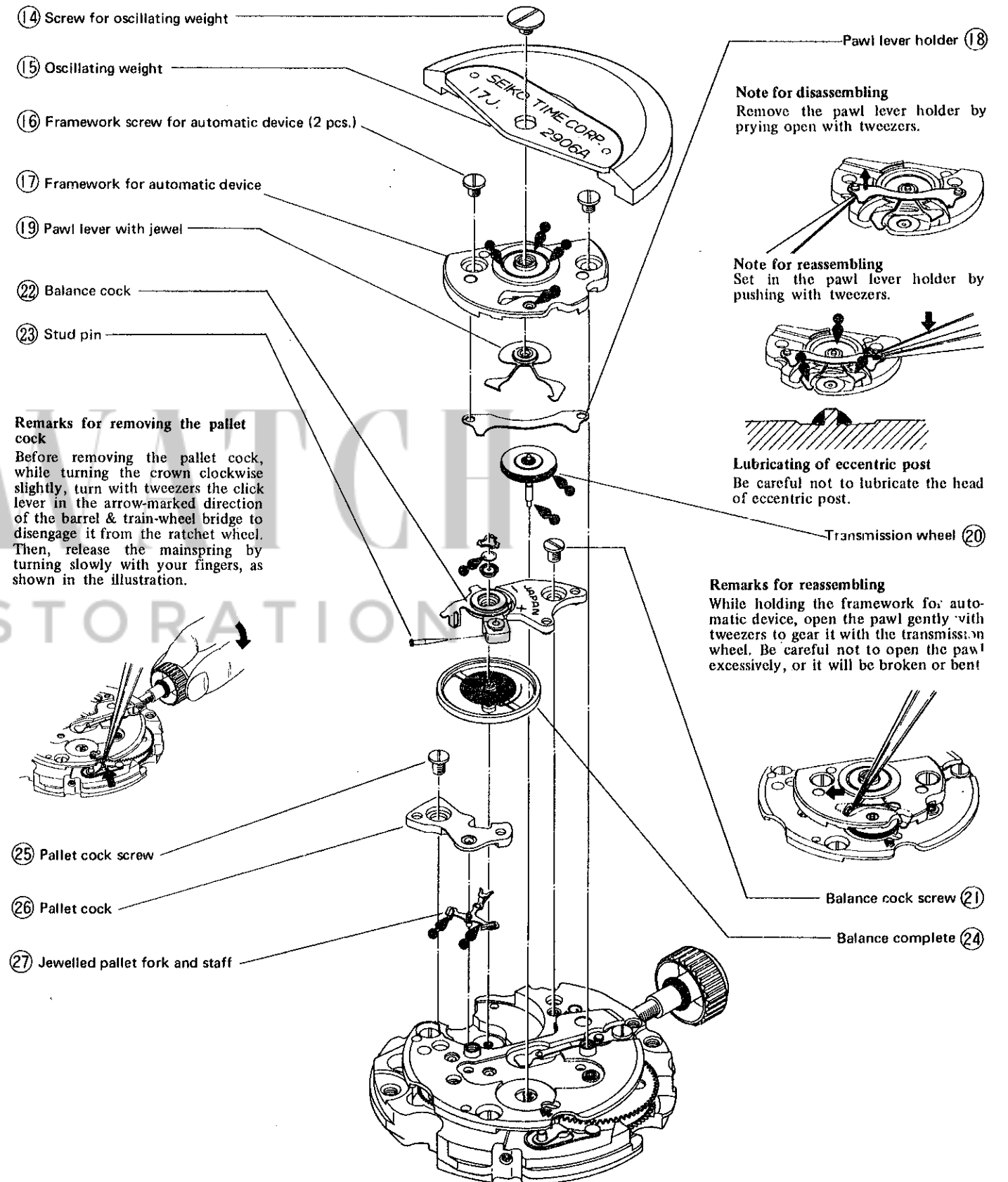
(1) Place the outer end of the balance spring to the side of the stud holder as illustrated below, and secure the stud pin to push in firmly.



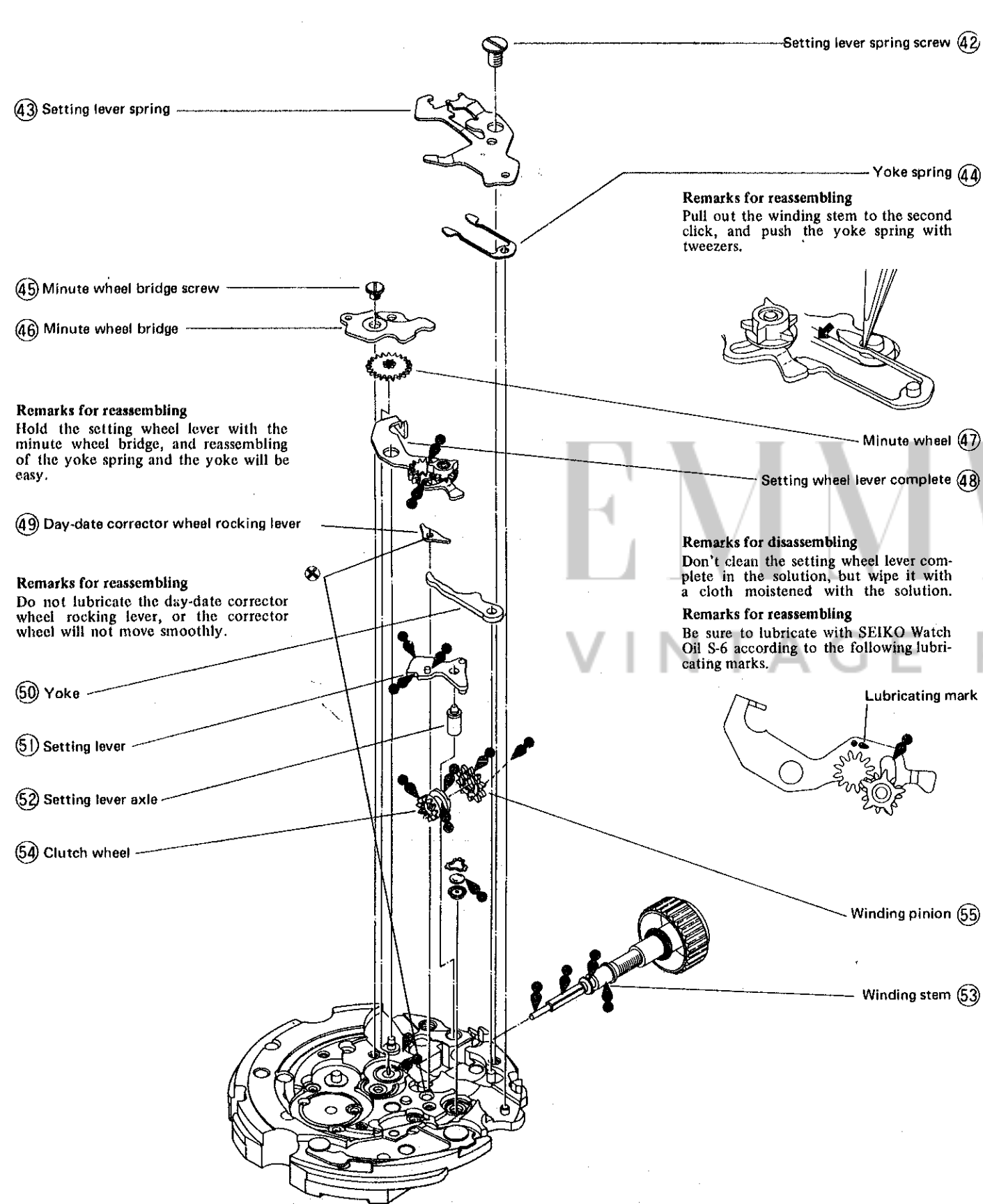
(2) After setting the balance complete, adjust it so that the balance spring always touches not strongly the inner side of the regulator even when the balance is swinging with the mainspring fully wound.



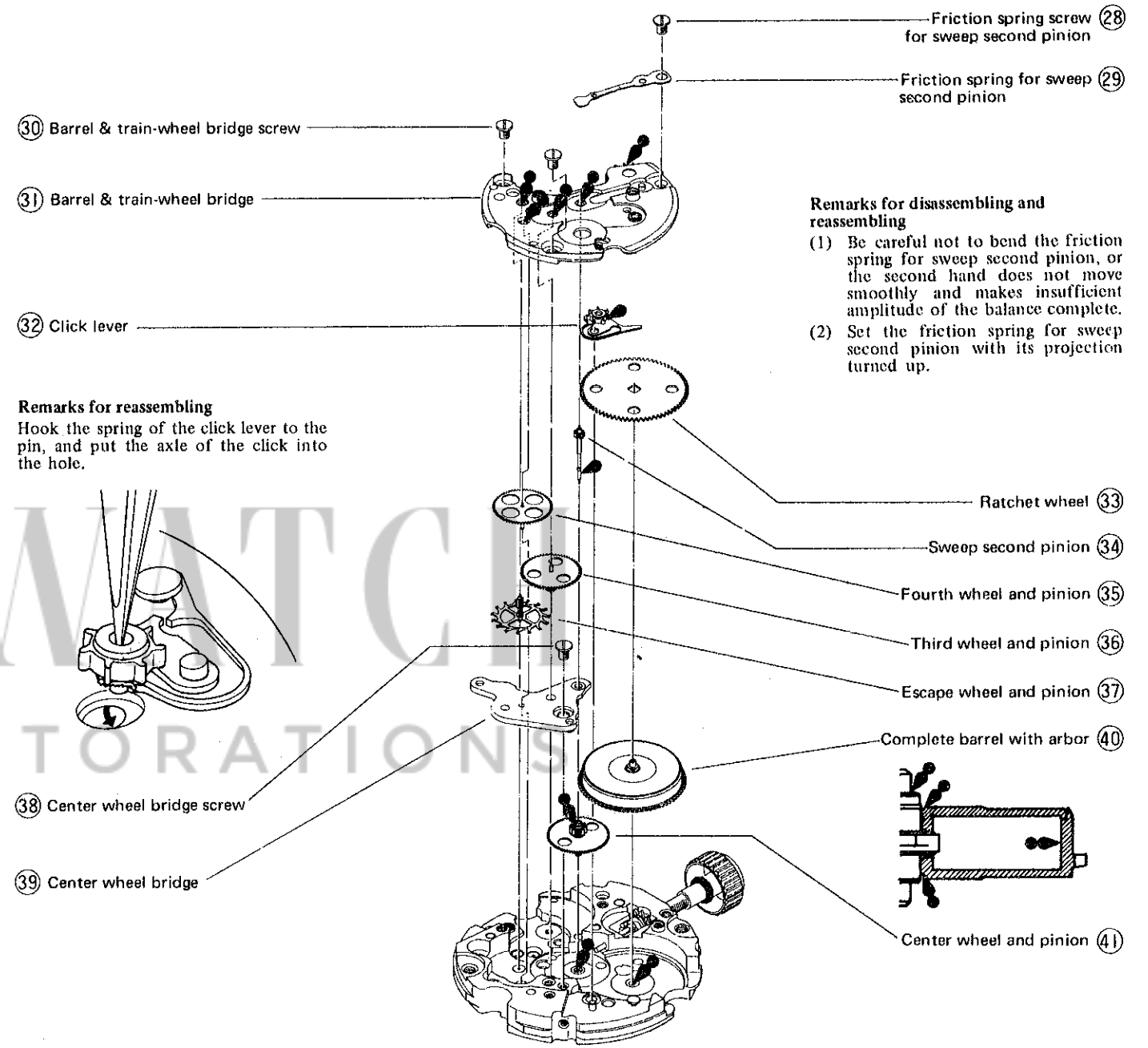
2906A Automatic winding, escapement and governor mechanism



2906A Setting mechanism



2906A Gear train mechanism

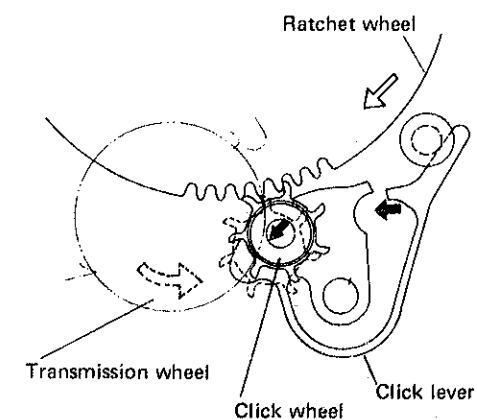


Function of click mechanism

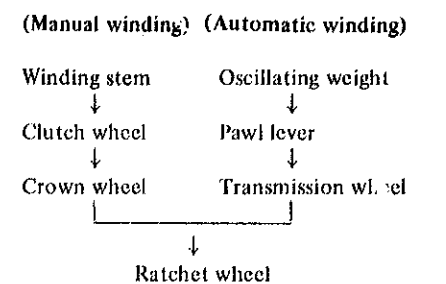
The mainspring is wound through the processes as shown in the diagram. However, the mainspring will run down contrariwise when it is stopped to wind. In order not to run down the wound mainspring, the pawl lever prevents the transmission wheel from turning contrariwise.

In case the automatic winding device is removed, the click wheel stops the ratchet wheel to prevent the ratchet wheel from turning contrariwise.

When the mainspring is unwound, remove the automatic winding device and push the concave of the click lever toward the arrow marked direction ←, and disengage the click wheel from the ratchet wheel toward the arrow-marked direction ← as shown in the illustration.



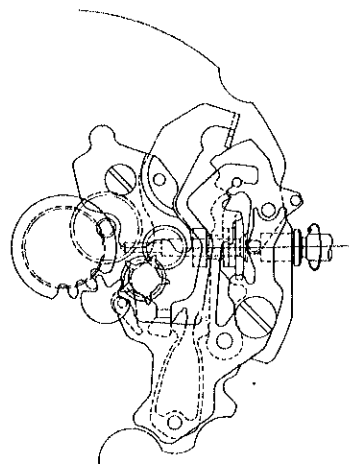
Winding process



2906A *Calendar mechanism*

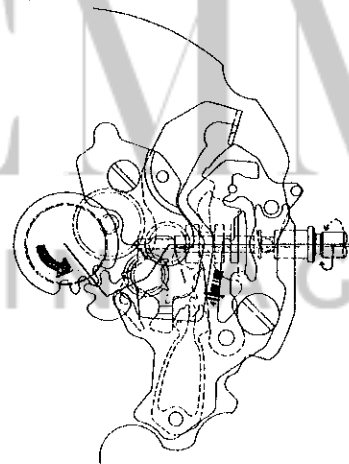
Crown at the normal position (for winding the mainspring)

The winding pinion and clutch wheel gear with each other. By turning the crown, the mainspring can be wound up.



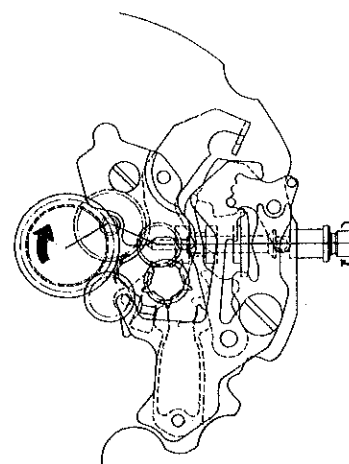
Crown at the first click position (for day/date setting)

The clutch wheel and the setting wheel gear with each other. Thus, rotation of the driving wheel for setting wheel is transmitted to the corrector wheel. At this position, when the crown is turned clockwise, the corrector wheel will move toward the date dial to correct the date. On the other hand, when the crown is turned counterclockwise the corrector wheel will move in the opposite direction to correct the day.



Crown at the second click position (for time setting)

When the setting wheel lever is pushed by the yoke spring, and the driving wheel for setting wheel gears with the minute wheel, the hands can be turned by turning the crown.



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