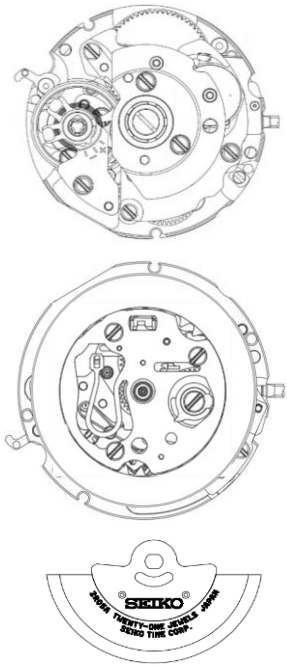
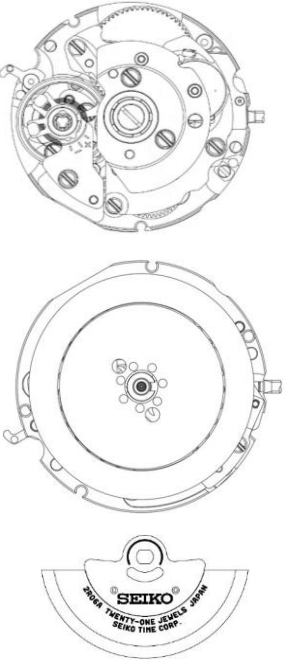


PARTS LIST/TECHNICAL GUIDE

Cal.2R05A / 06A

Brand		SEIKO				
Cal.No.		2R05A			2R06A	
Movement						
Movement size	Outside diameter	φ17.5 mm				
	Casing diameter	φ17.2 mm				
	Height	5.66 mm			5.67 mm	
Driving system		Automatic winding with manual winding mechanism				
Vibration		21,600 per hour (6 beats per second)				
Time indication		<ul style="list-style-type: none"> ● 3 hands (Hour, minute and Second hands) ● Date indication ● Day and Date indication 				
Additional function		<ul style="list-style-type: none"> ● Instant date setting device ● Second hand stop function 			<ul style="list-style-type: none"> ● Instant date/day setting device ● Second hand stop function 	
Crown operation	Normal position	● Manual winding (clockwise only)				
	1st click	● Date setting (counterclockwise)/ Day setting (clockwise)				
	2nd click	● Time setting/ Second hand stop function				
Loss/Gain	Daily rate	Between -35 and +45 seconds (Wear on the wrist at temperature range between 5°C and 35°C)				
	Standard rate for measurement	Mainspring wind up status	Instantaneous rate at T0 (Fully wound condition)			Isochronous fault (after 24 hours)
		Testing positions	Dial upward	6 o'clock at the top	9 o'clock at the top	Dial upward
		Measurement	5 ±25 s/d (-20~+30 s/d)	5±35 s/d (-30~+40 s/d)	5±35 s/d (-30~+40 s/d)	10±30 s/d (-20~+40 s/d)
Regulation system		ETACHRON system				
Lift angle of the escapement		50°				
Continuous operating time		From fully wound to stoppage : Approximately 40 or more hours				
Number of jewels		21 jewels				

PARTS LIST

Cal.2R05A

Type of oil

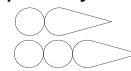


AO-3a(Moebius A)



AO-G09a (S-6)

Oil quantity



Normal
Sufficient

2R05A

※ Some models do not use the dial Holding ring depending on the exterior specifications.

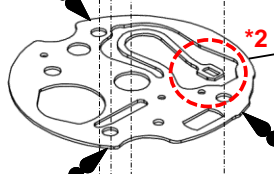
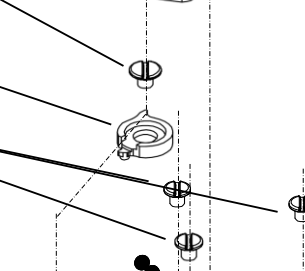
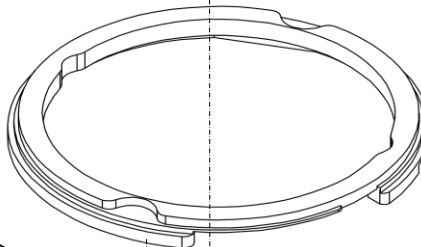
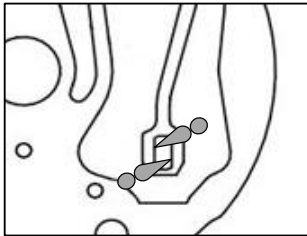
① 0884 435
Holding ring for dial

② 0016 139
Date indicator finger screw

③ 0556 423
Date indicator finger

④ 0012 485
Date indicator
maintaining plate screw

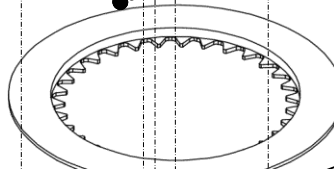
*2 Oil position



⑤ 0808 424
Date indicator

⑥ *Date dial

*Refer to page 7 about the parts code.



⑧ 0810 420
Date jumper

⑦ 0811 420
Date jumper spring

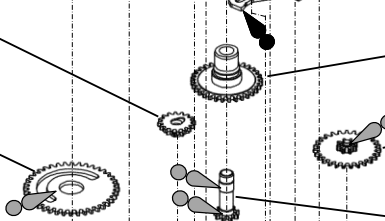
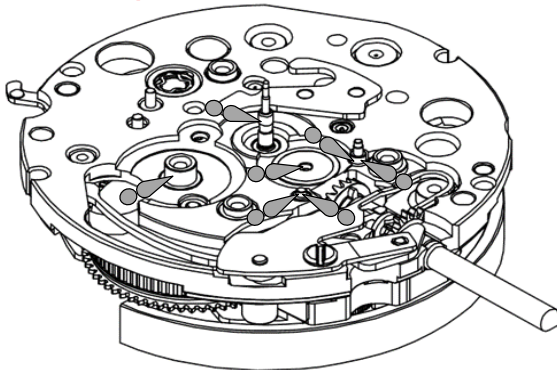
⑫ 0817 421
Intermediate date
driving wheel and pinion

⑨ 0972 423
Day-date
corrector finger

⑬ 0802 423
Date indicator
driving wheel

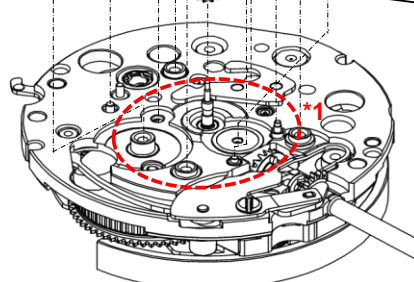
⑩ *Hour wheel
*Refer to page 7 about the parts code.

*1 Oil position



⑪ 0261 422
Minute wheel
and pinion

⑭ *Cannon pinion
*Refer to page 7 about the parts code.



PARTS LIST

Cal.2R05A

Type of oil



AO-3a (Moebius A)

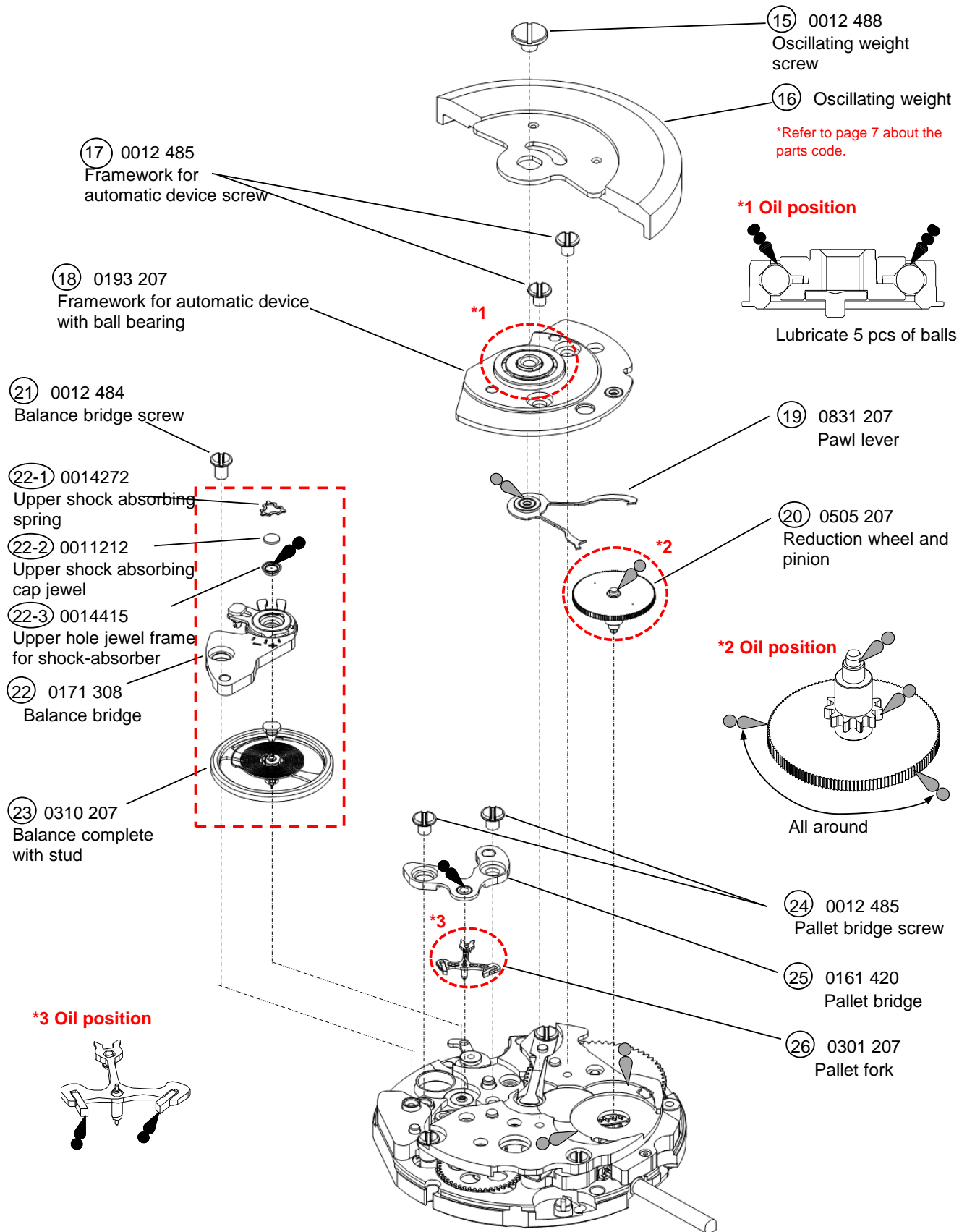


AO-G09a (S-6)

Oil quantity



Normal
Sufficient



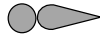
PARTS LIST

Cal.2R05A

Type of oil

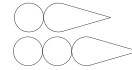


AO-3a (Moebius A)

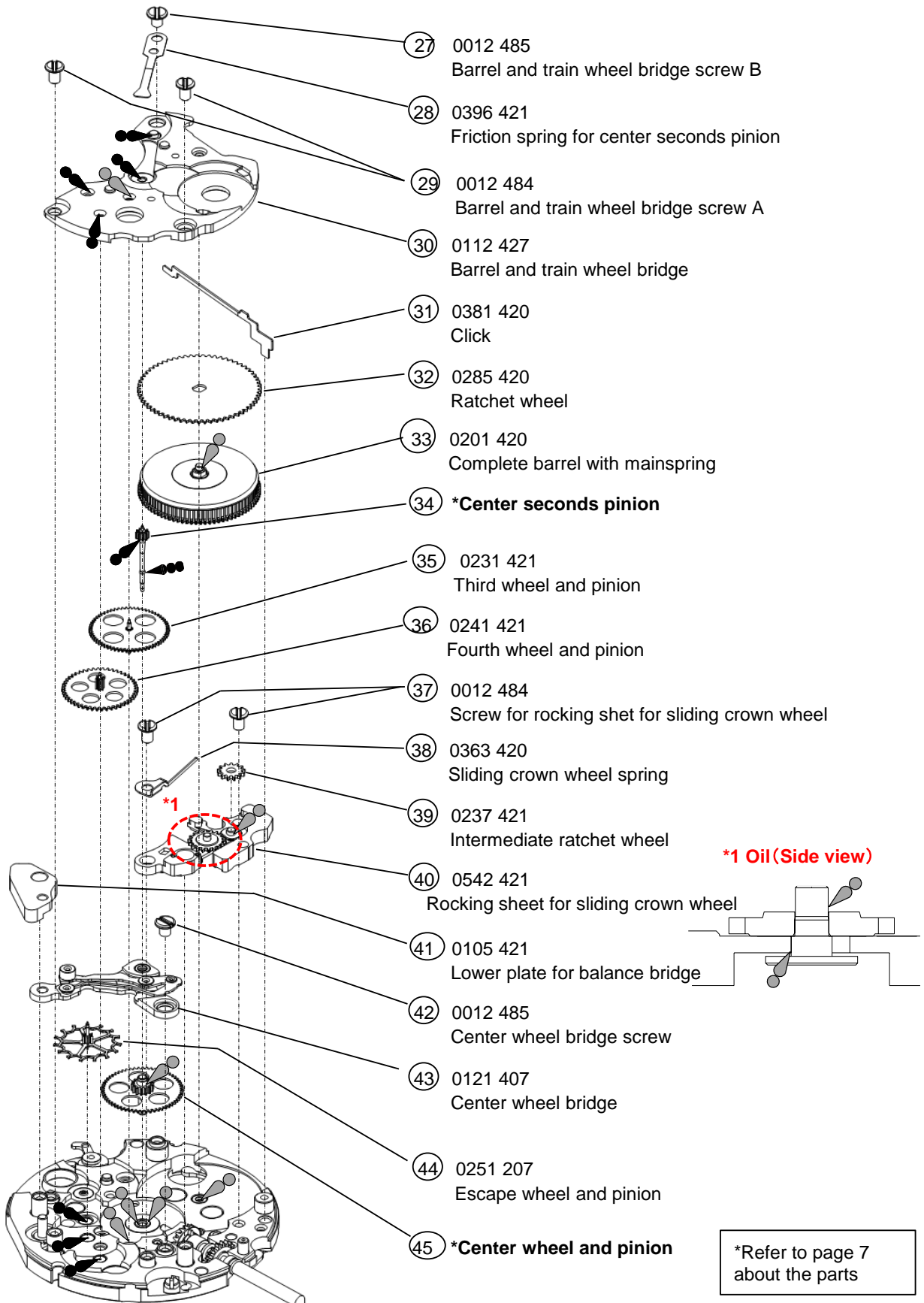


AO-G09a (S-6)

Oil quantity



Normal
Sufficient



PARTS LIST

Cal.2R05A

Type of oil

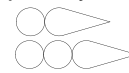


AO-3a (Moebius A)

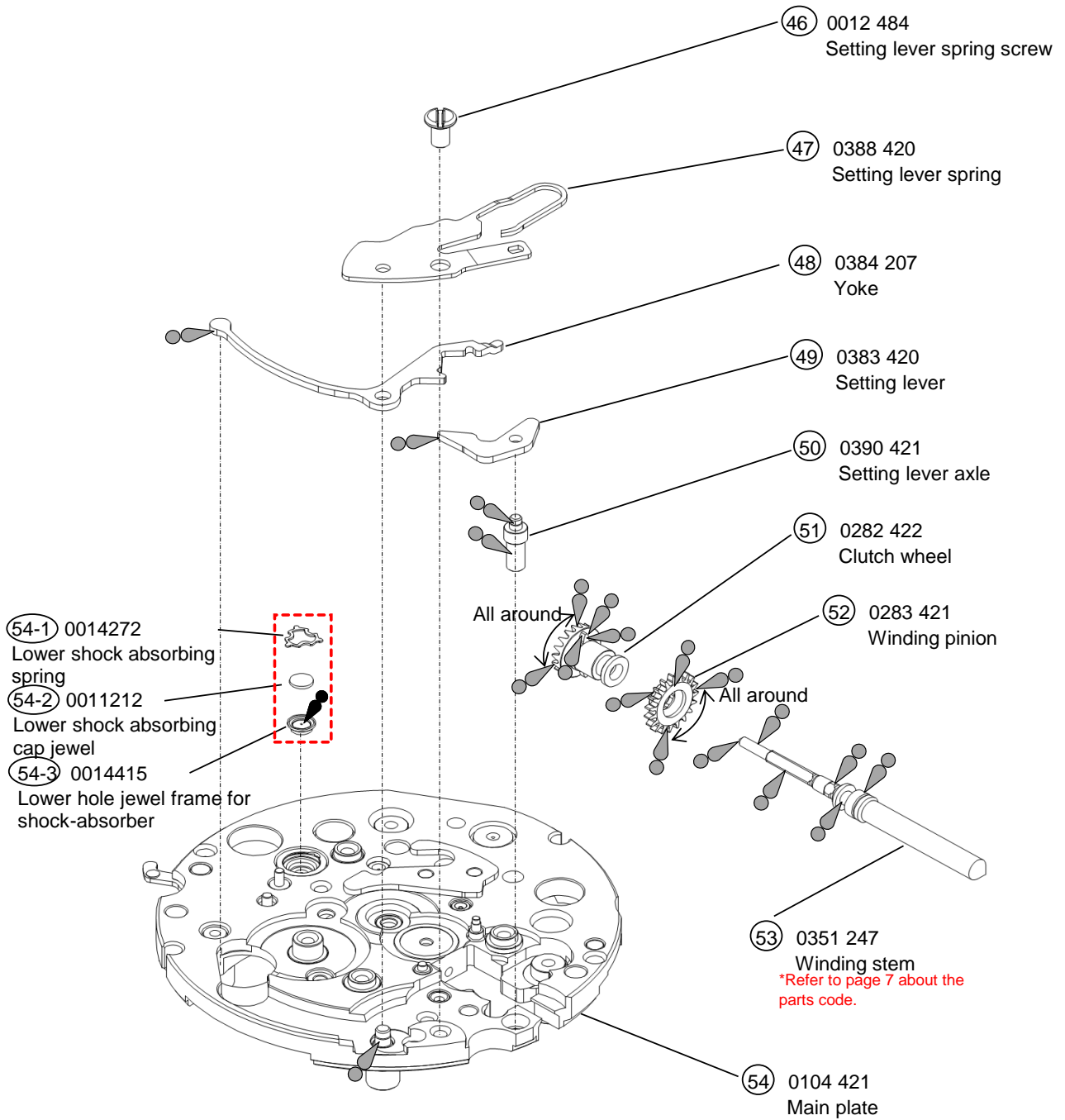


AO-G09a (S-6)

Oil quantity



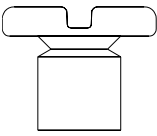
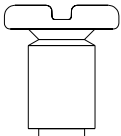
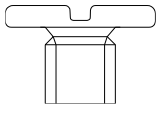
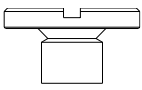
Normal
Sufficient



PARTS LIST

Cal.2R05A

☐ Screws

Parts code	Appearance	Page	No.	Parts name	Qty.
0012 485		P2	④	Date indicator maintaining plate screw	1
		P3	⑰	Framework for automatic device screw	2
		P3	⑳	Pallet bridge screw	2
		P4	㉗	Barrel and train wheel bridge screw B	1
		P4	㉘	Center wheel bridge screw	1
0012 484		P3	㉑	Balance bridge screw	1
		P4	㉙	Barrel and train wheel bridge screw A	2
		P4	㉛	Screw for rocking sheet for sliding crown wheel	2
		P5	㉞	Setting lever spring screw	1
0016 139		P2	②	Date indicator finger screw	1
0012 488		P3	⑮	Oscillating weight screw	1

All parts code are subject to change without notice.

PARTS LIST

Cal.2R05A

2R05A

□ PARTS LIST

Page	No.	Parts name	Parts code	Crown position	Date position	Color of number	color of background
P2	⑥	Date dial	0148 085	3H	3H	Black	White

Page	No.	Parts name	Parts code	Hand height
P2	⑩	Hour wheel	0271 425	Normal
P2	⑭	Cannon pinion	0225 422	Normal
P4	④⑤	Center wheel	0245 425	Normal

Page	No.	Parts name	Parts code	Marking
P3	⑯	OSCILLATING WEIGHT	1500 207	For domestic use, JAPAN MARK
			1500 208	For overseas, JAPAN MARK
			1500 209	No indication of country of origin

Page	No.	Parts name	Parts code	Place of origin
P5	⑤③	Winding stem	0351 246	JAPAN, long length

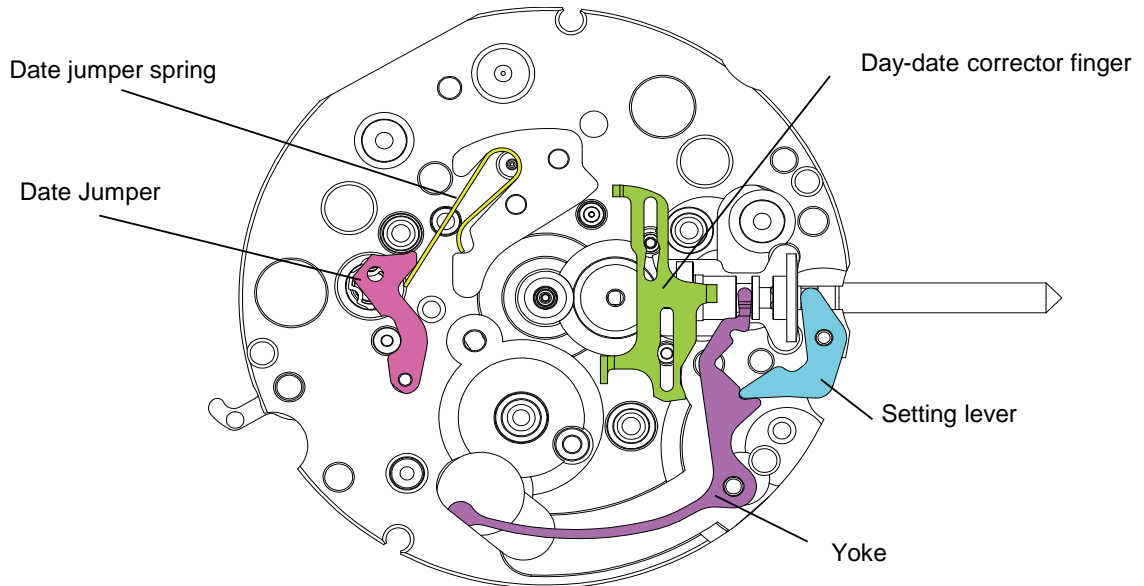
□ Oscillating weight

The type of OSCILLATING WEIGHT is determined based on the design of cases. Check the case number and refer to the "SEIKO WATCH PARTS CATALOGUE" to choose the corresponding OSCILLATING WEIGHT.

All parts code are subject to change without notice.

□ **Parts position**

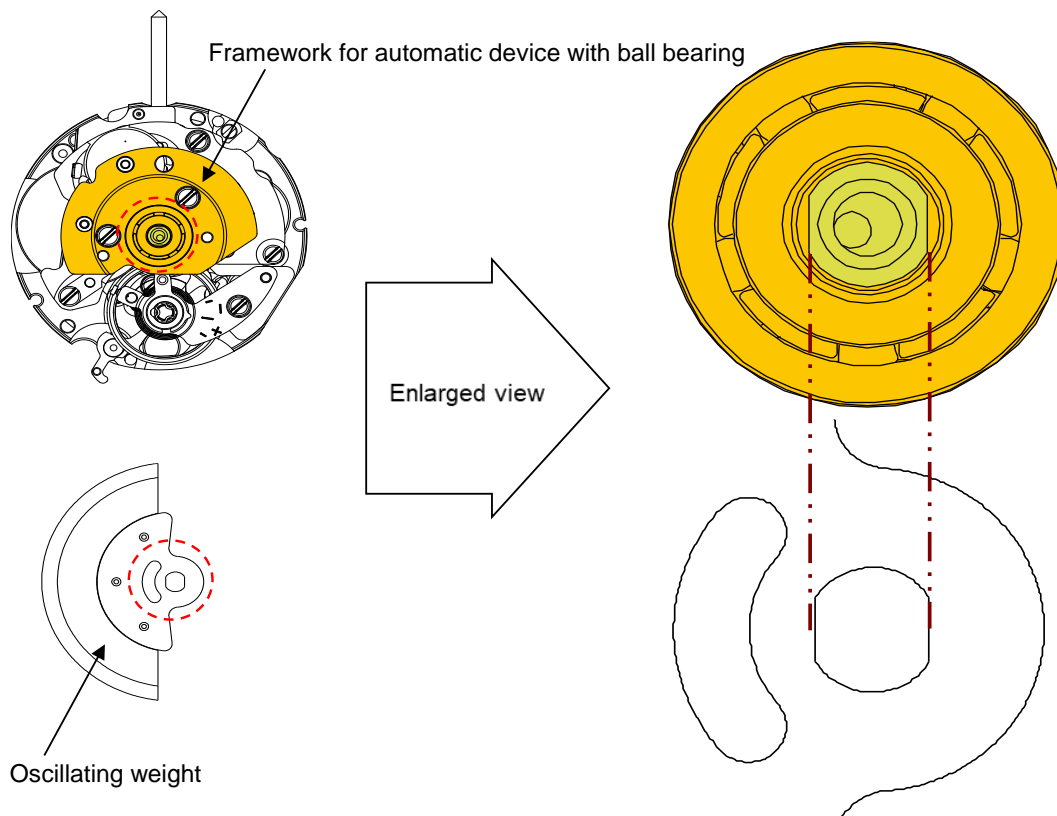
- ⑦ Date jumper spring (Page 2)
- ⑧ Date jumper (Page 2)
- ⑨ Day-date corrector finger (Page 2)
- 48 Yoke (Page 5)
- 49 Setting lever (Page 5)



□ **15 Oscillating weight (Page 3)**

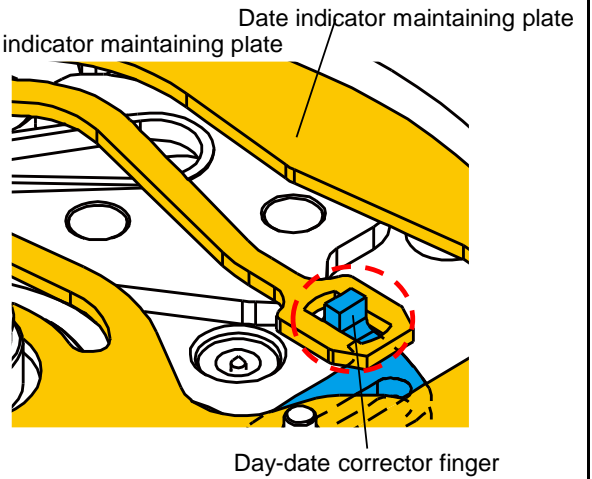
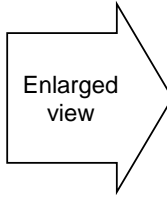
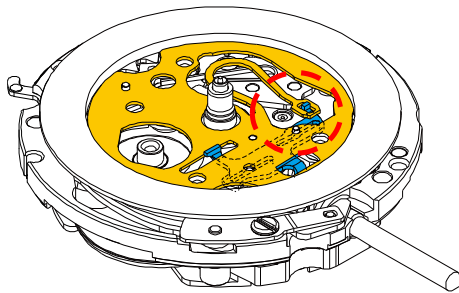
• Before assembling of Oscillating weight

Framework for automatic device : Set the Oscillating weight according to the straight of the inner circle



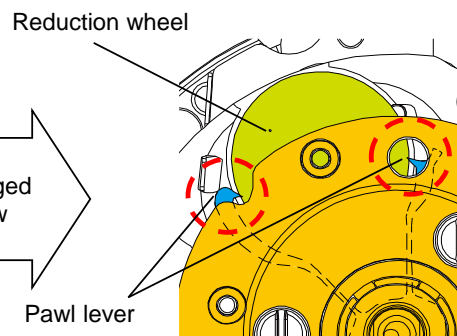
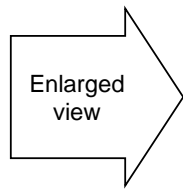
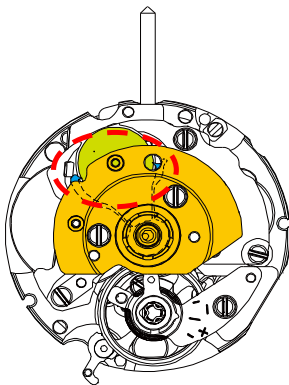
□ ⑤ **Date indicator maintaining plate(Page 2)**

The projection part of Day-date corrector finger set into Date indicator maintaining plate



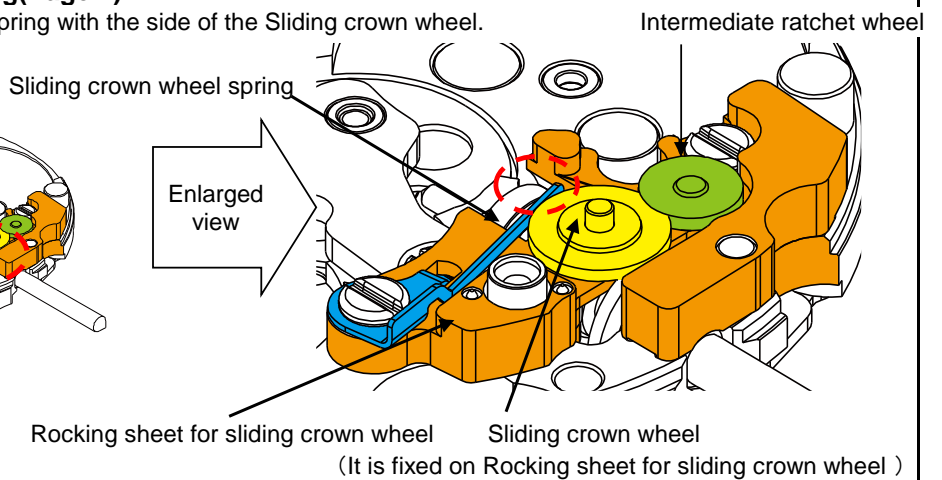
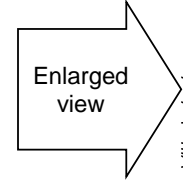
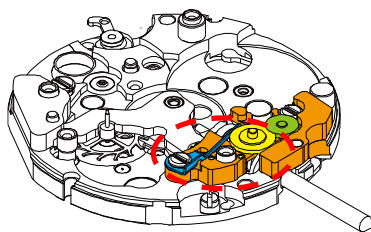
□ ⑱ **Pawl lever(Page 3)**

The fingers of the Pawl lever engage with the Reduction wheel gear

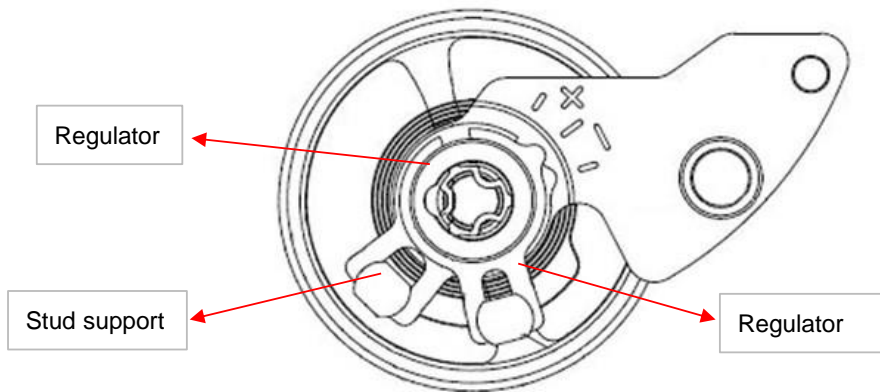


□ ③⑧ **Sliding crown wheel spring(Page 4)**

Set the Sliding crown wheel spring with the side of the Sliding crown wheel.



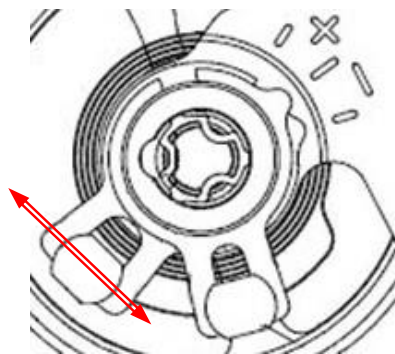
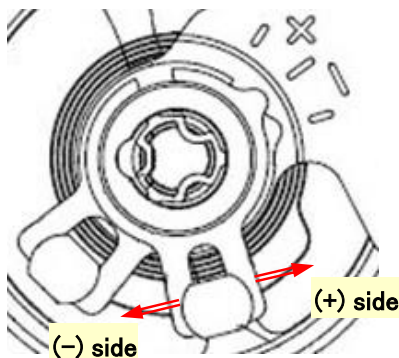
□ Accuracy adjustment



Note:

• Regulator ... Time adjustment

• Stud support... Beat error adjustment

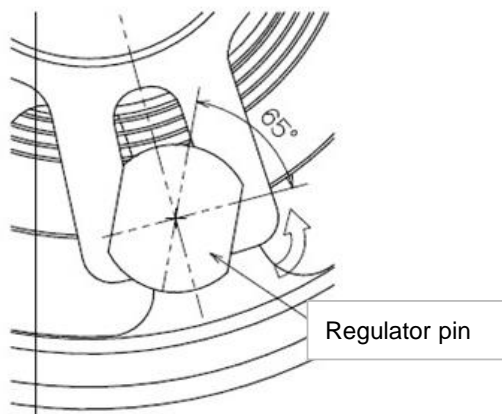
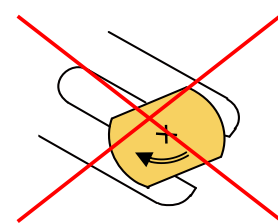
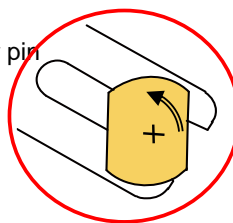


• Regulator pin ... Gap adjustment of Balance spring and Regulator pin

(1) It is recommended to adjust the balance spring Counterclockwise rotation so that it is in the center of the regulator curb pin.

No clockwise rotation

(2) The recommended rotation angle of the regulator pin is 65 degrees in the CCW direction starting from the state shown in the below figure.



(3) Based on (1) and (2), adjust the regulator pin in order to make the daily rate within the standard rate.

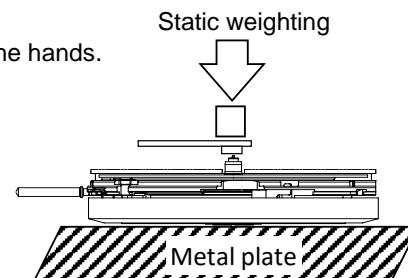
□ How to attach hands

Place the movement directly on a flat metal plate or something similar to attach the hands.

We recommend the use of movement holder to attach hands.

For hands attachment, please use special equipment.

If the movement receives a strong shock, it may be damaged.

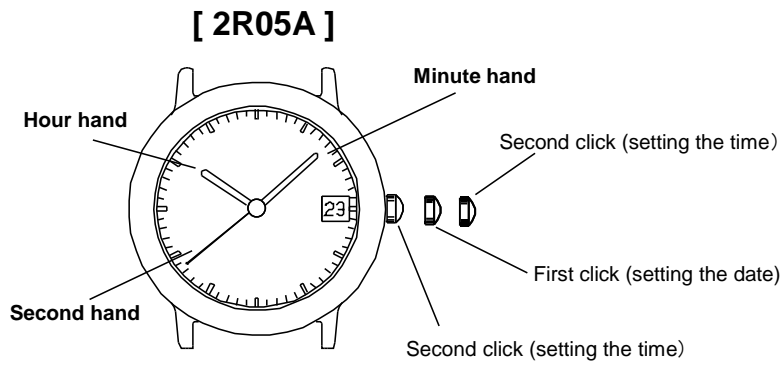


□ Accuracy measurement condition

Static Accuracy : -35~+45 seconds per day

Measurement Conditions

- 1) Measurement should be done within 10~60 minutes after being fully wound up.
- 2) Lift angle : 50 deg
- 3) Measurement position : (1) Dial up (2) 9 o'clock up (3) 6 o'clock up
- 4) Minimum measurement Time : 20 seconds
- 5) Stabilizing Time :
Leave the watch for at least 20 seconds to stabilize after you change its measurement position.



□ How to set the time

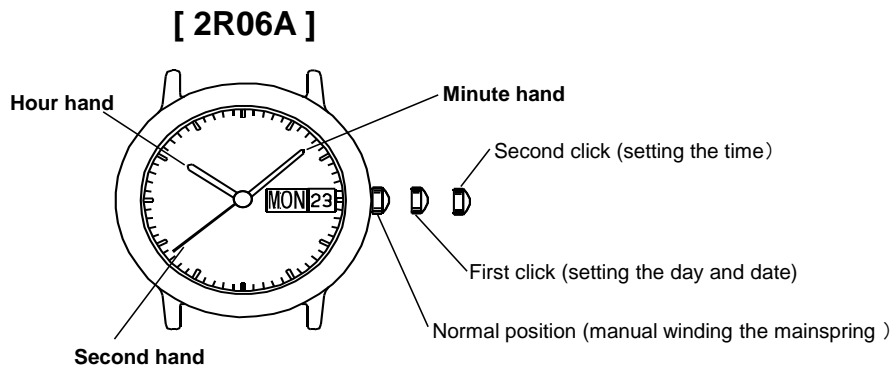
- 1) Pull out the crown to the second click when the second hand is at the 12 o'clock position.
- 2) Turn the crown to set the hour and minute hands.
(Make sure the A.M./P.M. is set correctly)
- 3) Push the crown back in to the normal position.

□ How to set the date

- 1) Pull out the crown to the first click.
- 2) Turn the crown counterclockwise and set the date.
※Do not set the date between 9:00 p.m. and 1:00 a.m.
If you do, the date may not change properly / it may cause a malfunction.
- 3) Turn the crown clockwise and set the day.
- 4) Push the crown back in to the normal position in accordance with a time signal.

□ How to manually wind the mainspring by turning the crown

- 1) manual winding...Slowly turn the crown clockwise to wind the mainspring.
· Turn the crown at the zero position at least 30 revolutions to wind up completely.
- 2) Winding up by hoisting machine Screwdriver winding ... Turn the square hole screw clockwise.
Turn the square hole screw clockwise 8 turns to wind up completely.



□ How to set the time

- 1) Pull out the crown to the second click when the second hand is at the 12 o'clock position.
- 2) Turn the crown to set the hour and minute hands.
(Make sure the A.M./P.M. is set correctly)
- 3) Push the crown back in to the normal position.

□ How to set the day and date

- 1) Pull out the crown to the first click.
- 2) Turn the crown counterclockwise and set the date.
※Do not set the date or the day between 9:00 p.m. and 1:00 a.m.
If you do, the date or the day may not change properly / it may cause a malfunction.
- 3) Turn the crown clockwise and set the day.
- 4) Push the crown back in to the normal position in accordance with a time signal.

□ How to manually wind the mainspring by turning the crown

- 1) manual winding...Slowly turn the crown clockwise to wind the mainspring.
· Turn the crown at the zero position at least 30 revolutions to wind up completely.
- 2) Winding up by hoisting machine Screwdriver winding ... Turn the square hole screw clockwise.
Turn the square hole screw clockwise 8 turns to wind up completely.