

6309A

1) Specifications

Casing diameter:	φ 27.0 mm
Height:	5.2 mm
Vibrations per hour:	21,600
Automatic winding	
Calendar mechanism:	Day and date, bilingual change-over system for the day of the week, instant day and date setting device

2) Features

• *Highly reliable movement*

The highly stabilized accuracy and high reliability established for the 61 series has been incorporated into the movement.

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

All that is required for day-date correction is to turn the crown. Turn clockwise (away from you) for date setting; turn counter clockwise (towards you) for day setting.

• *Easy after-servicing*

Disassembling and reassembling procedures and serviceability have been improved largely by:

- employment of a new balance hair-spring holding device;
- decrease in number of parts resulting from the simplification of the movement structure;
- decrease in number of new parts resulting from interchangeability of some parts with Cal. 61 series.

3) Disassembling and reassembling

Disassembling procedures Figs.: ① ~ ⑤⑦

Reassembling procedures Figs.: ⑤⑦ ~ ①

The movement holder for 61 series is also used for disassembling and reassembling.

4) Lubrication

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

Type of oil

- Moebius A
- Moebius V
- SEIKO Watch Oil, S-2
- SEIKO Watch Oil, S-6

Oil quantity

- Liberal quantity
- Normal quantity
- Extremely small quantity

Note: Never lubricate the portions marked ✕

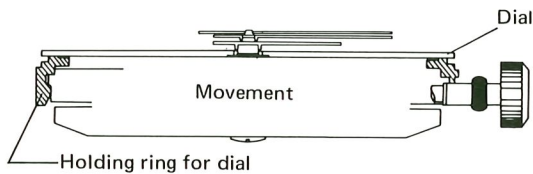


Movement

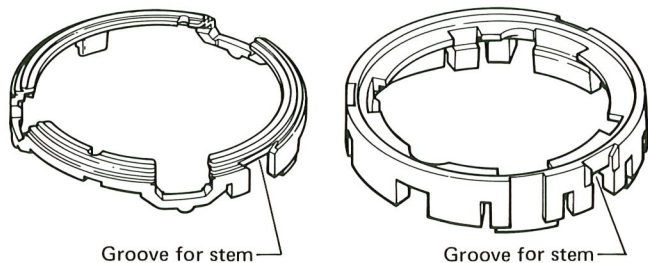
6309A Hands, dial and holding ring for dial

Holding ring for dial

As this holding ring for the dial incorporates the two functions of both the currently used holding ring for dial and the case ring, it simplifies the casing of the watch.

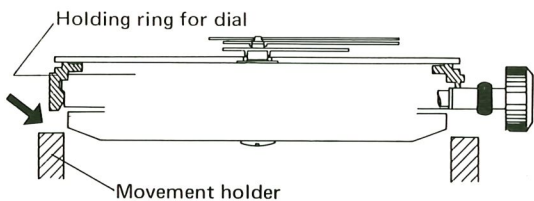


The holding ring for dial is generally classified into two types.



Note:

- The movement holder for 61 series cannot be used if the holding ring for dial is assembled with the movement, because the holding ring for dial touches when setting the movement into the movement holder as shown in the illustration. (The movement holder for 61 series can be used for the one-piece type case, square type case and case with dial ring.)



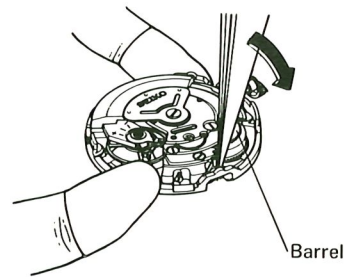
The holding ring for dial touches when setting the movement into the movement holder.

- Disassembling and reassembling of this holding ring for dial from the movement is a little different from that of the current holding ring for dial. Follow the procedures below.

Disassembling

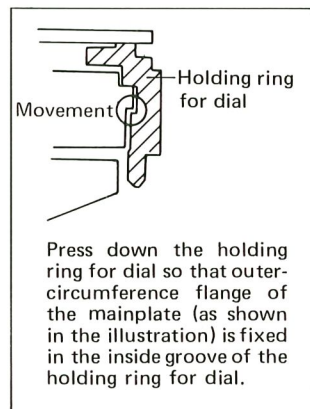
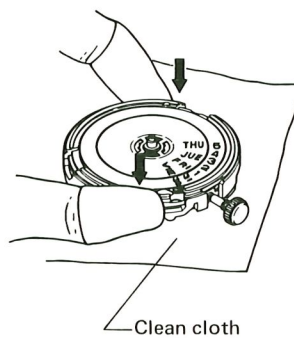
- When the movement is to be removed from the case, pull out the winding stem and turn the case upside down. The movement should fall out. It is not necessary to pull up on the holding ring for dial.

- After loosening the dial screws, the dial and the holding ring for dial can be removed together. Put the tip of tweezers into the groove of the main plate located near the barrel and pry toward the arrow marked direction as shown in the illustration. Then the dial and the holding ring for dial will be removed together.



Reassembling

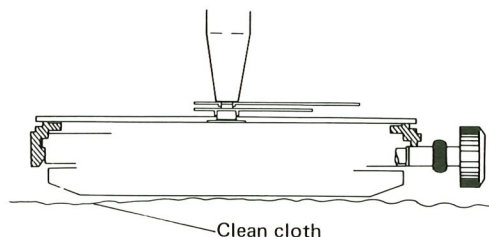
- Place the groove for the stem of the holding ring for dial upon the winding stem, and press down the holding ring for dial on the mainplate.
- Place the movement on a clean cloth when handling.



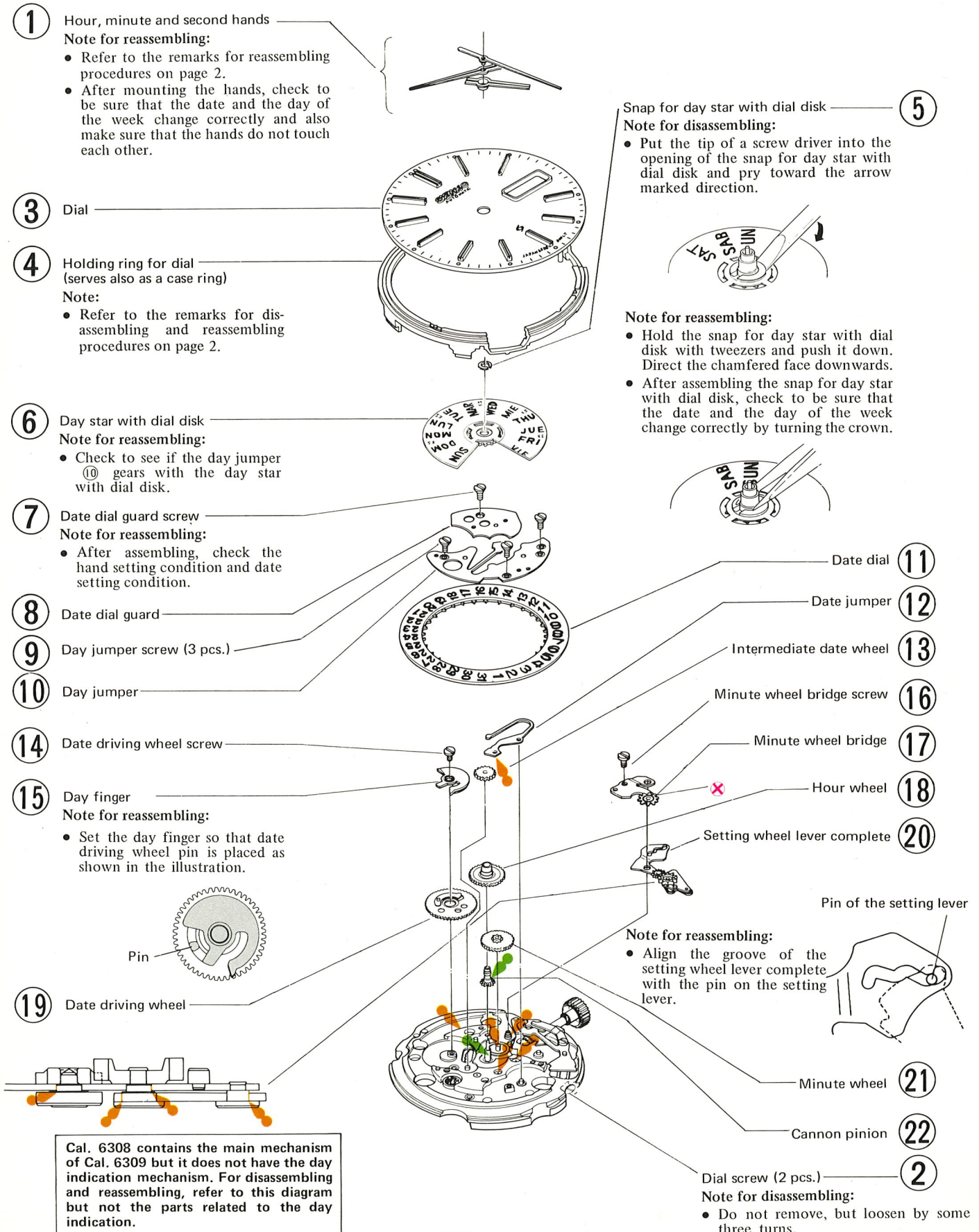
Hour, minute and second hands

Note for reassembling:

- When mounting the hands, place the movement on a clean cloth.

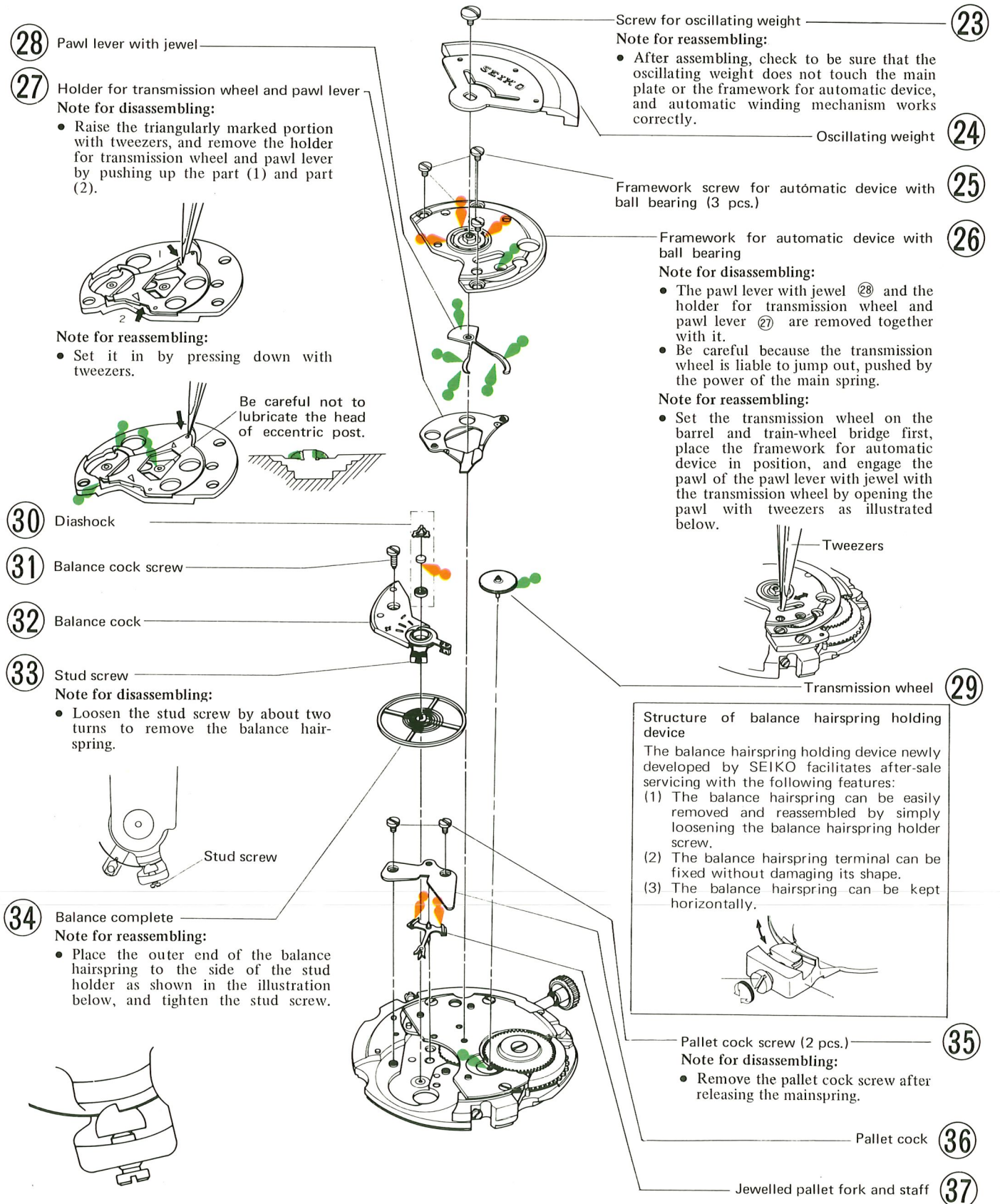


6309A Calendar mechanism



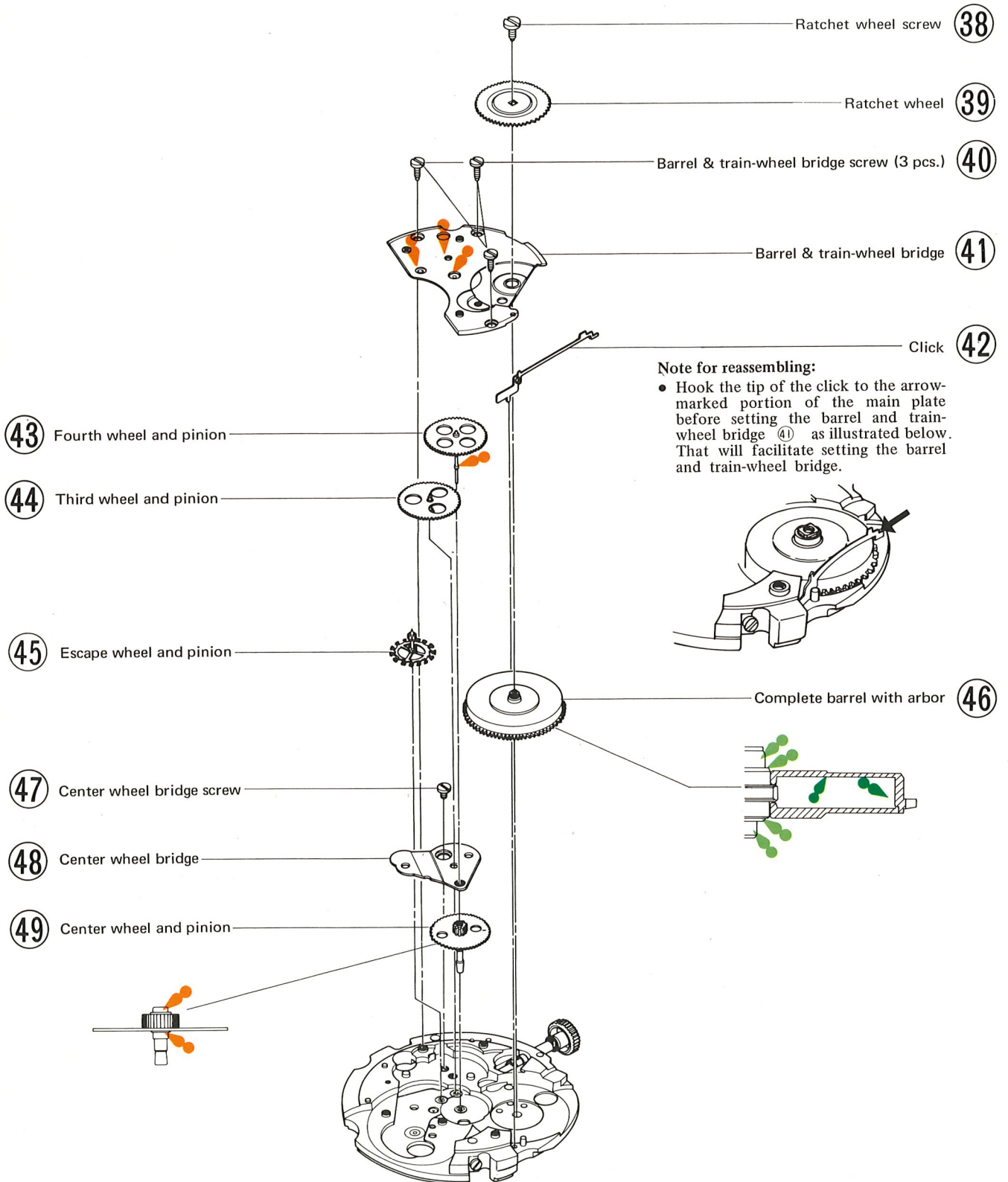
Cal. 6308 contains the main mechanism of Cal. 6309 but it does not have the day indication mechanism. For disassembling and reassembling, refer to this diagram but not the parts related to the day indication.

6309A Automatic winding mechanism, escapement and governor mechanism

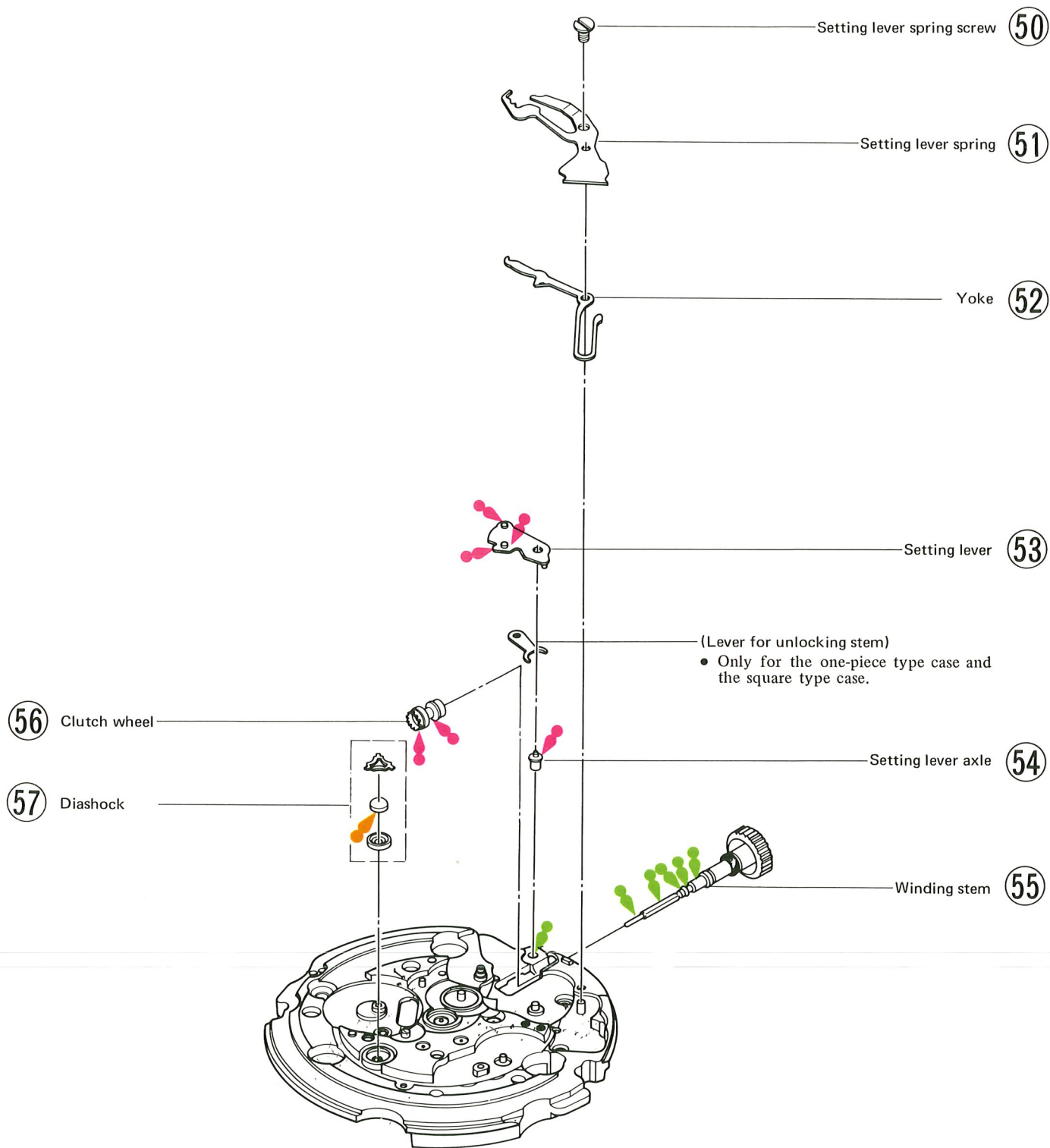


Make the end of the balance hair spring flush with the side of the stud holder.

6309A Gear train mechanism



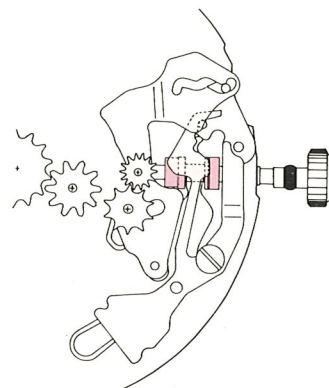
6309A Setting mechanism



6309A *Setting mechanism*

Crown at the normal position (free)

The clutch wheel and the setting wheel do not gear with each other, and no power can be transmitted to the mainspring by turning the crown.

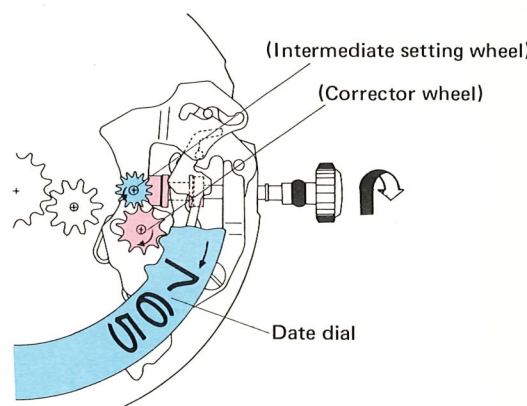


Crown at the first click position (for day/date setting)

(1) Clockwise turning (date setting)

Turn the crown clockwise, and the corrector wheel will move toward the date dial and it will gear with the date dial to correct the date.

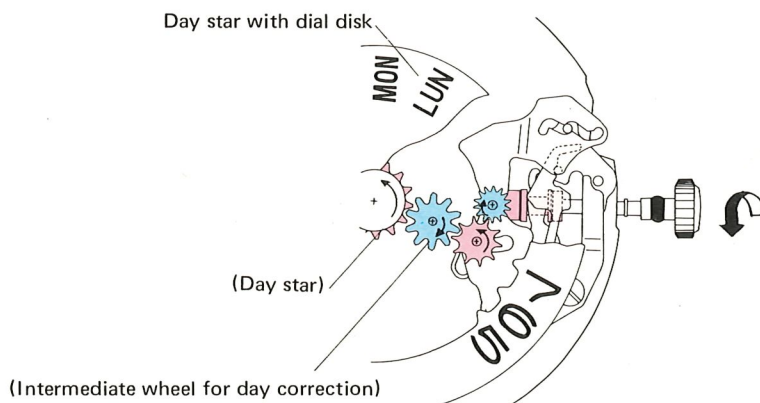
The turning force is transmitted from the Crown, Clutch Wheel, Setting Wheel, Intermediate Setting Wheel, Corrector Wheel and Date Dial.



(2) Counterclockwise turning (day setting)

Turn the crown counterclockwise, and the corrector wheel will move toward the day star with dial disk and it will gear with the intermediate wheel for day correction to the day.

The turning force is transmitted from the Crown, Clutch Wheel, Setting Wheel, Intermediate Setting Wheel, Corrector Wheel, Intermediate Wheel for Day Correction and Day Star with Dial Disk.



Crown at the second click position (for hand setting)

The setting wheel lever complete will move toward the minute wheel through the function of the setting lever and the intermediate setting wheel will gear with the minute wheel to set the hands.

At the same time, this motion of the setting wheel lever complete is transmitted to the day-date corrector wheel rocking lever and, the corrector wheel moves into a neutral position so that it will not gear with either the date dial and the intermediate wheel for day correction.

