

# 6309A

## 1) Specifications

Casing diameter:  $\phi$  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 ✕

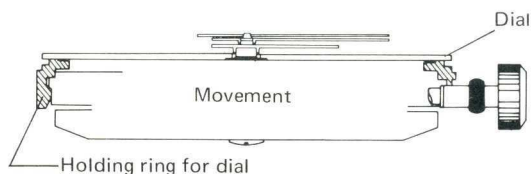


Movement

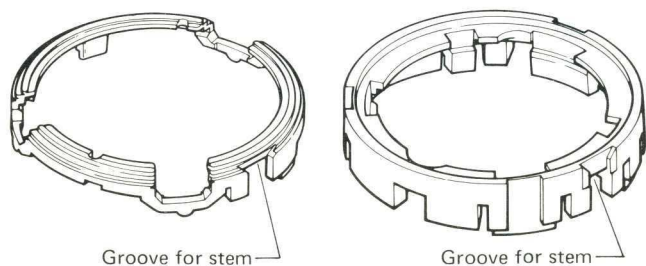
# 6309A Hands, dial and holding ring for dial

## 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.

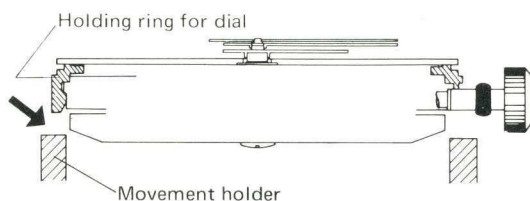


The holding ring for dial is generally classified into two types.



### 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.)



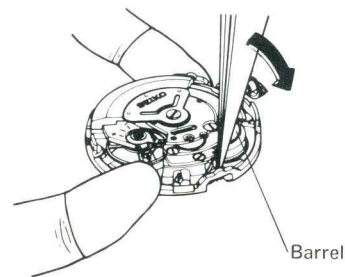
The holding ring for dial touches when setting the movement into the movement holder.

- 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

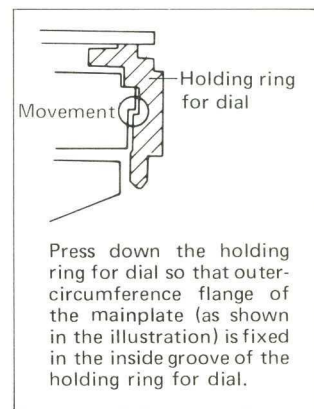
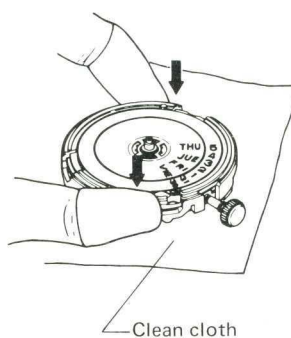
- When the movement is to be removed from the case, pull out the winding stem and turn the case upside down. The movement should fall out. It is not necessary to pull up on the holding ring for dial.

- 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

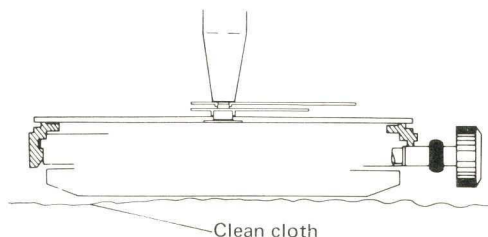
- Place the groove for the stem of the holding ring for dial upon the winding stem, and press down the holding ring for dial on the mainplate.
- Place the movement on a clean cloth when handling.



## Hour, minute and second hands

### Note for reassembling:

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



# 6309A Calendar mechanism

- 1** Hour, minute and second hands  
**Note for reassembling:**
- Refer to the remarks for reassembling procedures on page 2.
  - After mounting the hands, check to be sure that the date and the day of the week change correctly and also make sure that the hands do not touch each other.

- 3** Dial  
**4** Holding ring for dial (serves also as a case ring)  
**Note:**
- Refer to the remarks for disassembling and reassembling procedures on page 2.

- 6** Day star with dial disk  
**Note for reassembling:**
- Check to see if the day jumper ⑩ gears with the day star with dial disk.

- 7** Date dial guard screw  
**Note for reassembling:**
- After assembling, check the hand setting condition and date setting condition.

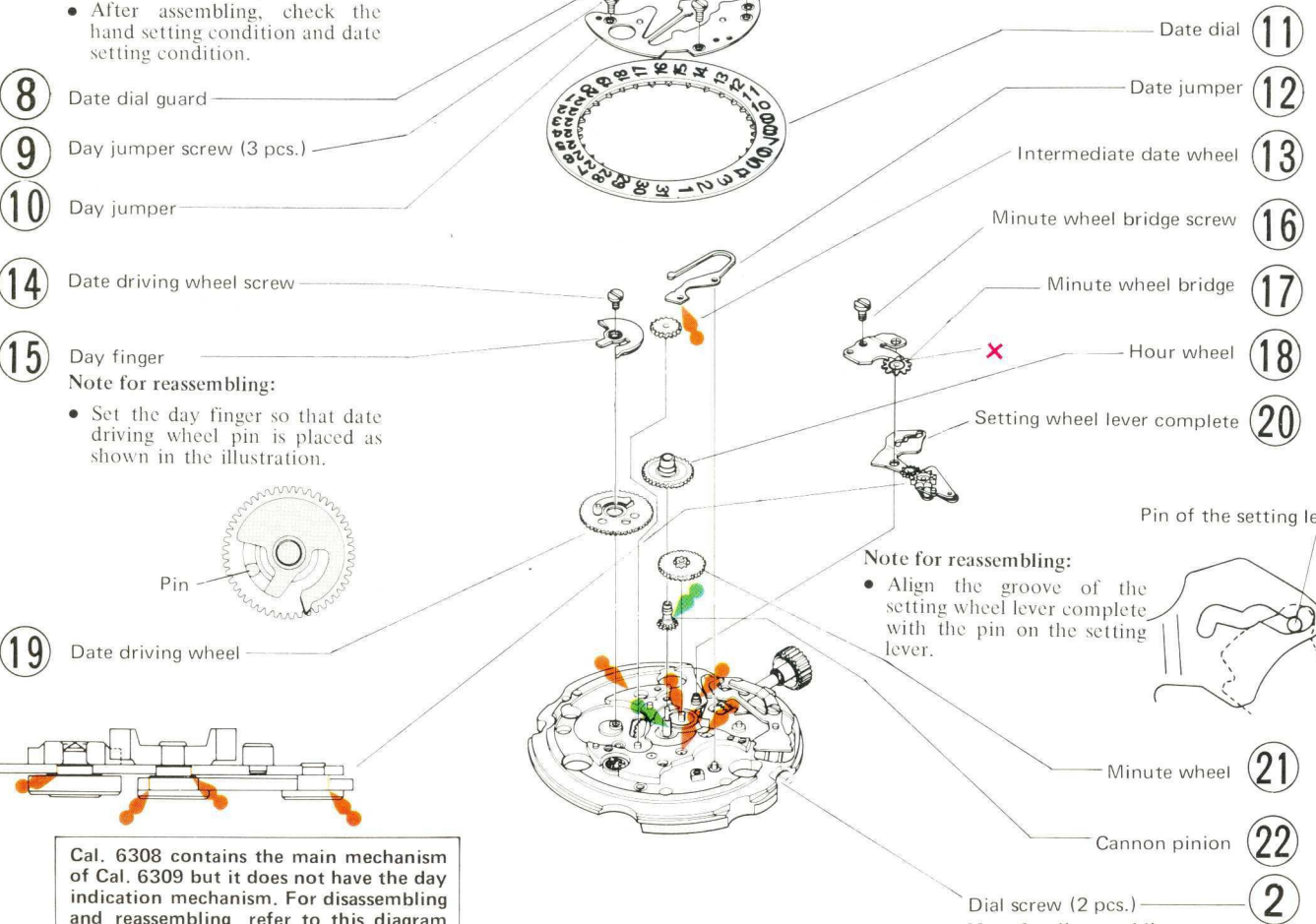
- 8** Date dial guard  
**9** Day jumper screw (3 pcs.)  
**10** Day jumper

- 14** Date driving wheel screw  
**15** Day finger  
**Note for reassembling:**
- Set the day finger so that date driving wheel pin is placed as shown in the illustration.

- 19** Date driving wheel

- Snap for day star with dial disk **5**  
**Note for disassembling:**
- Put the tip of a screw driver into the opening of the snap for day star with dial disk and pry toward the arrow marked direction.

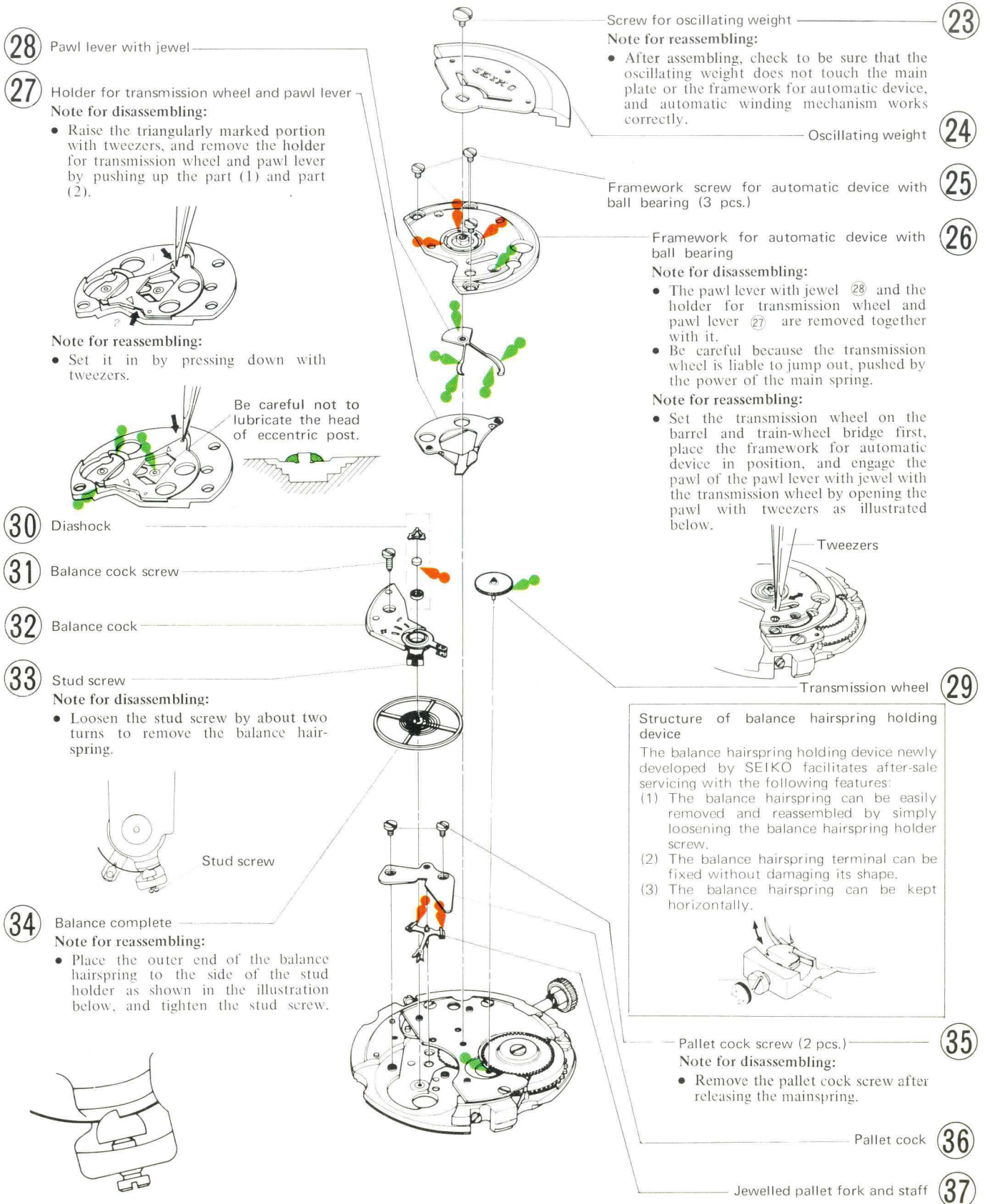
- Note for reassembling:**
- Hold the snap for day star with dial disk with tweezers and push it down. Direct the chamfered face downwards.
  - After assembling the snap for day star with dial disk, check to be sure that the date and the day of the week change correctly by turning the crown.



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.

- Dial screw (2 pcs.) **2**  
**Note for disassembling:**
- Do not remove, but loosen by some three turns.

# 6309A Automatic winding mechanism, escapement and governor mechanism



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