

63A

1) Specifications

Casing diameter:	φ 27.0 mm
Height:	3.4 mm
Vibrations per hour:	21,600

2) Features

• *Highly reliable movement*

Men's hand winding watch of highly stabilized accuracy and high reliability which is basically the same excellent movement construction as Cal. 6309 but without the automatic winding mechanism and calendar mechanism.

• *Easy after-sale 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 - ③⑨

Reassembling procedures Figs. : ③⑨ - ①

The movement holder for Cal. 61 series which is contained in the S-680 movement holder unit can be used for disassembling and reassembling of the movement.

4) Lubricating

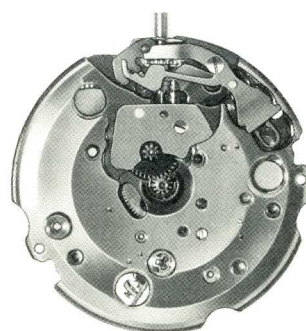
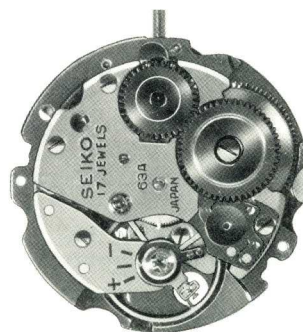
The following marks indicate the types of oil, quantity to be applied and lubricating portions.

Type of oil

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

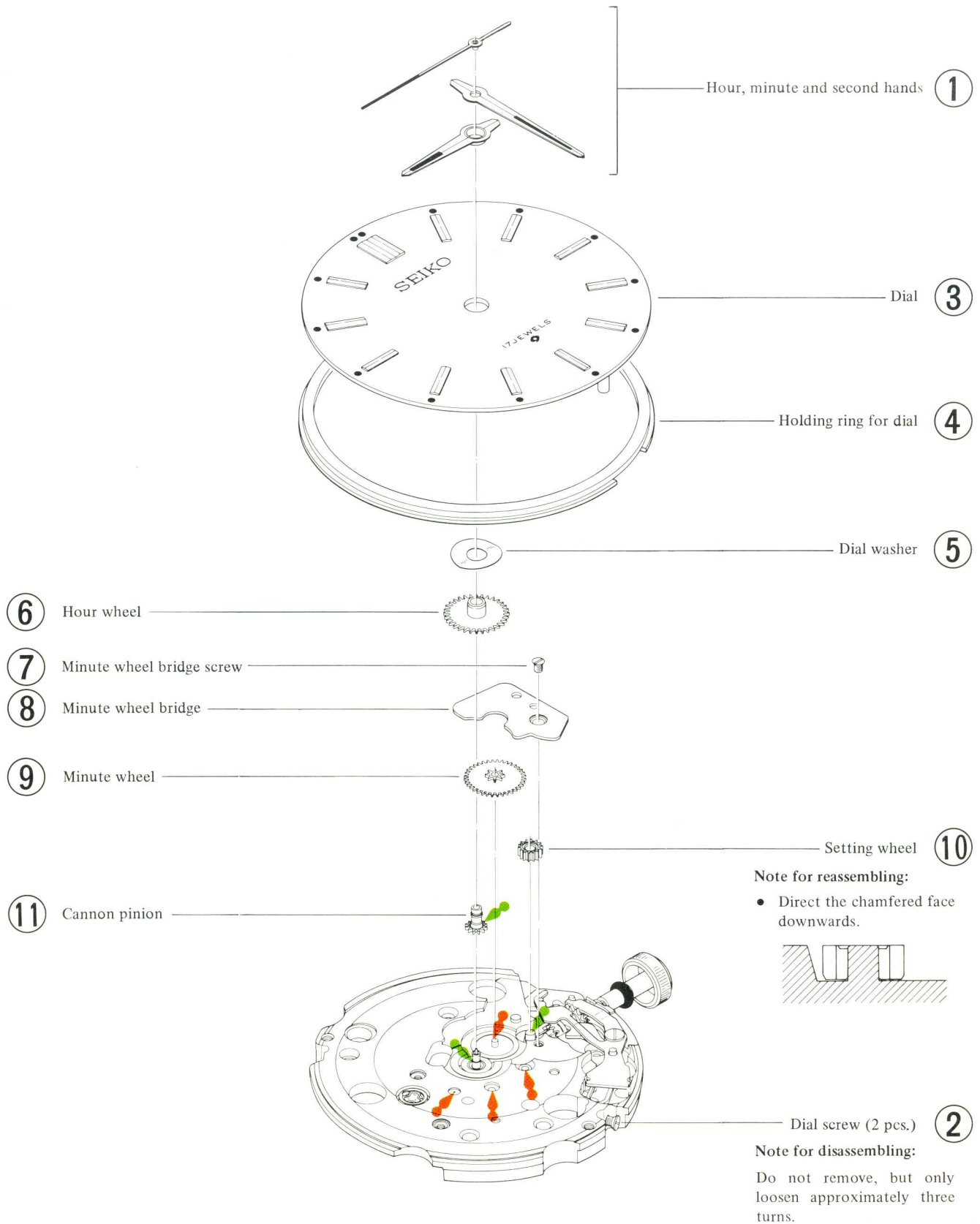
Oil quantity

- ▶ Liberal quantity
- ▶ Normal quantity
- ▶ Extremely small quantity

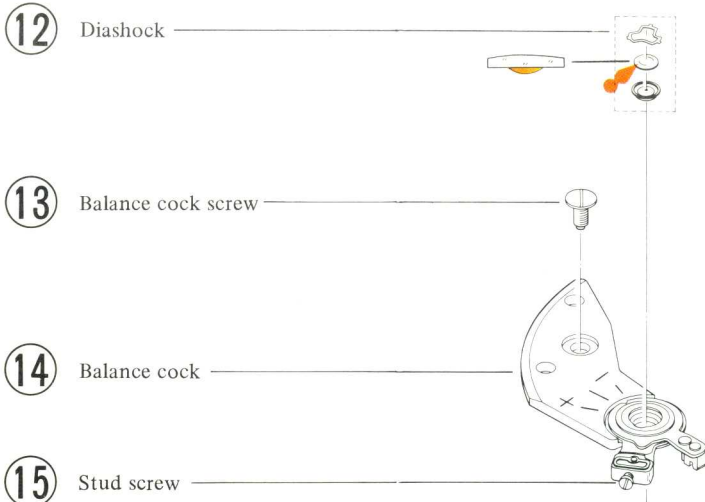


Movement

63A Hands, dial and gear train(under dial)

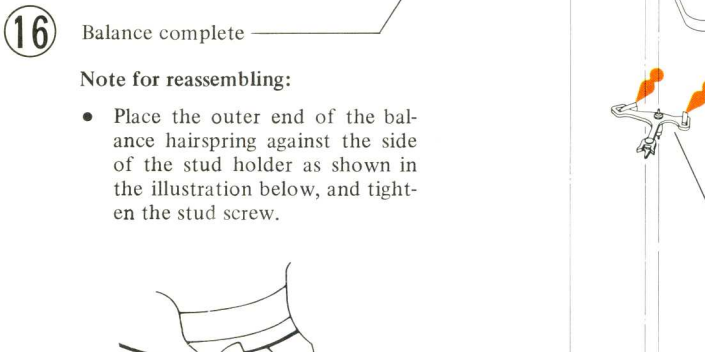
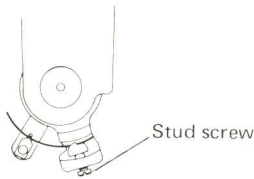


63A Escapement and governor mechanism



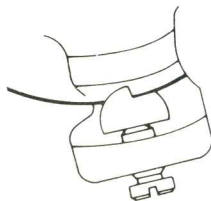
Note for disassembling:

- Loosen the stud screw approximately two turns to remove the balance hairspring.



Note for reassembling:

- Place the outer end of the balance hairspring against the side of the stud holder as shown in the illustration below, and tighten the stud screw.

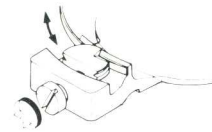


Make the end of the balance hairspring flush with the side of the stud holder.

Structure of balance hairspring holding device.

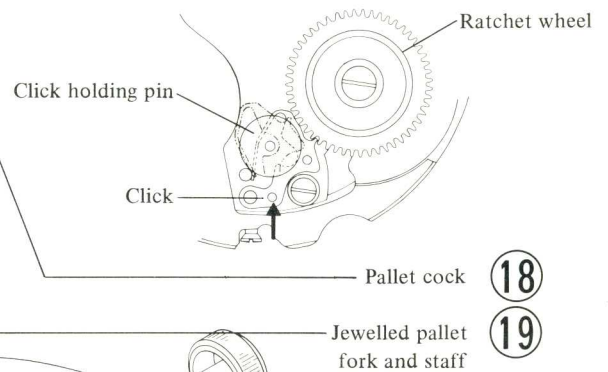
The balance hairspring holding device newly developed by SEIKO facilitates after-sale servicing with the following features:

- (1) The balance hairspring can be easily removed and reassembled by simply loosening the balance hairspring holder screw.
- (2) The balance hairspring terminal can be fixed without damaging its shape.
- (3) The balance hairspring can be kept horizontally.

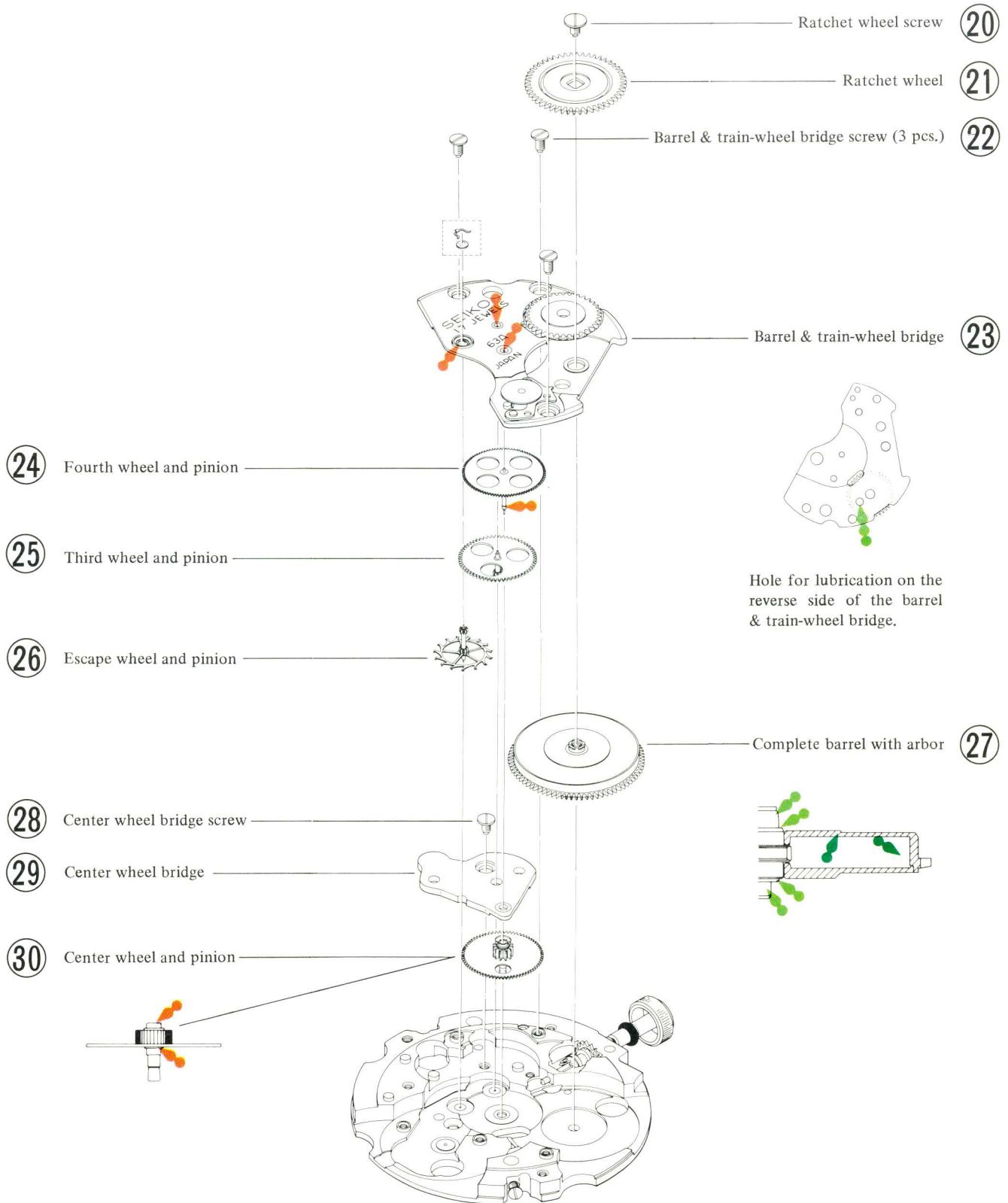


Note for disassembling:

- While turning the crown clockwise in the normal position, insert the tips of tweezers into the arrow marked hole of the click and move the click toward the click holding pin. With the click disengaged from the ratchet wheel, turn the crown slowly counterclockwise and release the mainspring, and remove the pallet cock screws.



63A Gear train mechanism



63A *Setting mechanism*

