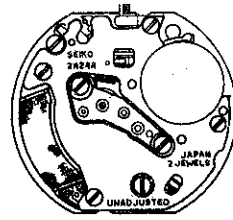
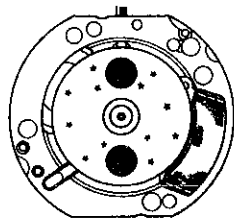


TECHNICAL GUIDE

CAL. 2A24A

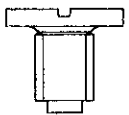

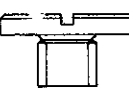
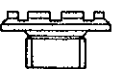
CAL. 2A54A



I. SPECIFICATIONS

Item		Cal. No.	2A24A	2A54A
		Time indication	3 hands	
Driving system	Step motor (Load compensated driving pulse type)			
Additional mechanism	—		• Calendar (date) function	
	• Lunar calendar function			
	• Train wheel setting device			
	• Electronic circuit reset switch			
Loss/gain	Monthly rate at normal temperature range: less than 15 seconds			
	Movement size	Outside diameter	ϕ 18.3 mm 16.3 mm between 3 o'clock and 9 o'clock sides 18.3 mm between 6 o'clock and 12 o'clock sides	
Casing diameter		ϕ 17.6 mm		
Height		4.0 mm	4.2 mm	
Regulation system	Trimmer condenser			
Battery	SEIKO (SEIZAIKEN) TR621SW, Maxell SR621SW, SONY EVEREADY 364, U.C.C. 364 Battery life is approximately 2.5 years. Voltage: 1.55V			
Jewels	2 jewels			

II. LIST OF THE SCREWS USED

Shape	Part No.	Name	Shape	Part No.	Name
	012 005	Train wheel bridge screw (2 pcs.)		012 006	Moon phase unit screw A (2 pcs.)
		Circuit block cover screw (4 pcs.)			
		Setting lever spring screw (1 pc.)			
	012 008	Date driving wheel screw (1 pc.)		012 007	Moon phase unit screw B (1 pc.)

III. DISASSEMBLING, REASSEMBLING, AND LUBRICATING

• For the disassembling and reassembling procedures other than described here, refer to the "TECHNICAL GUIDE, SEIKO QUARTZ, Cal. 2A22A, 2A23A, 2A29A and 2A32A".

Cal. 2A24A

Disassembling procedures Figs. : ① → ⑱

Reassembling procedures Figs. : ⑱ → ①

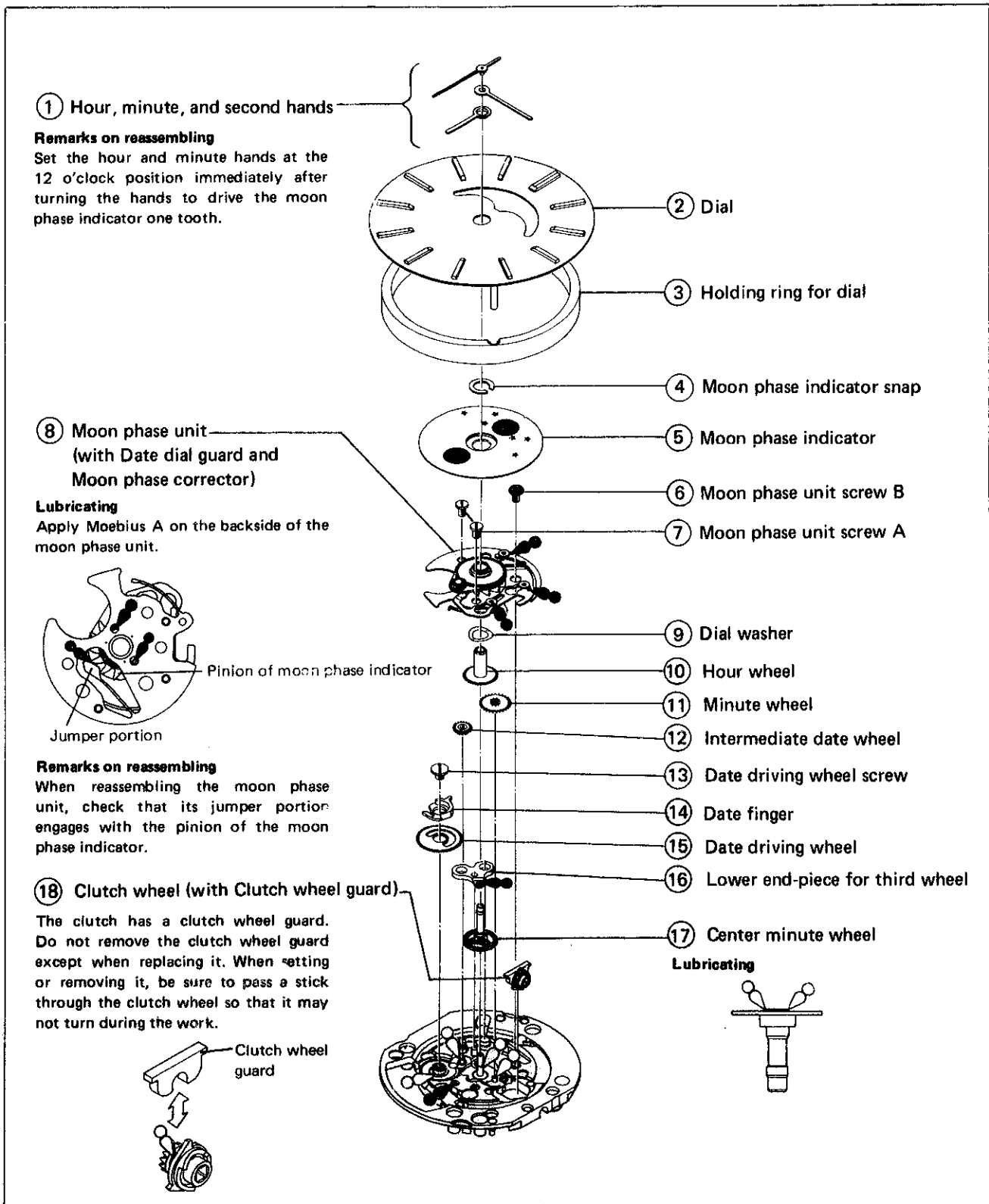
Lubricating: Types of oil

● SEIKO Watch Oil S-6

○ Moebius A

Oil quantity

∞ Normal quantity



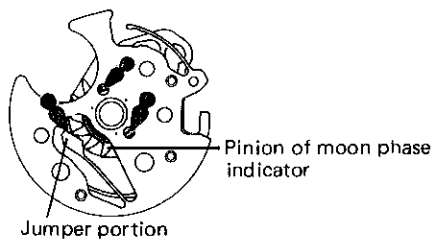
Cal. 2A54A

Disassembling procedures Figs. : ① → ②①

Reassembling procedures Figs. : ②① → ①

⑧ Moon phase unit
(with Date dial guard and Moon phase corrector)

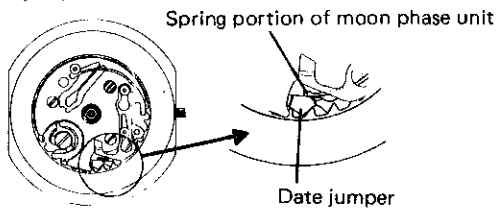
Lubricating
Apply Moebius A on the backside of the moon phase unit.



Remarks on reassembling

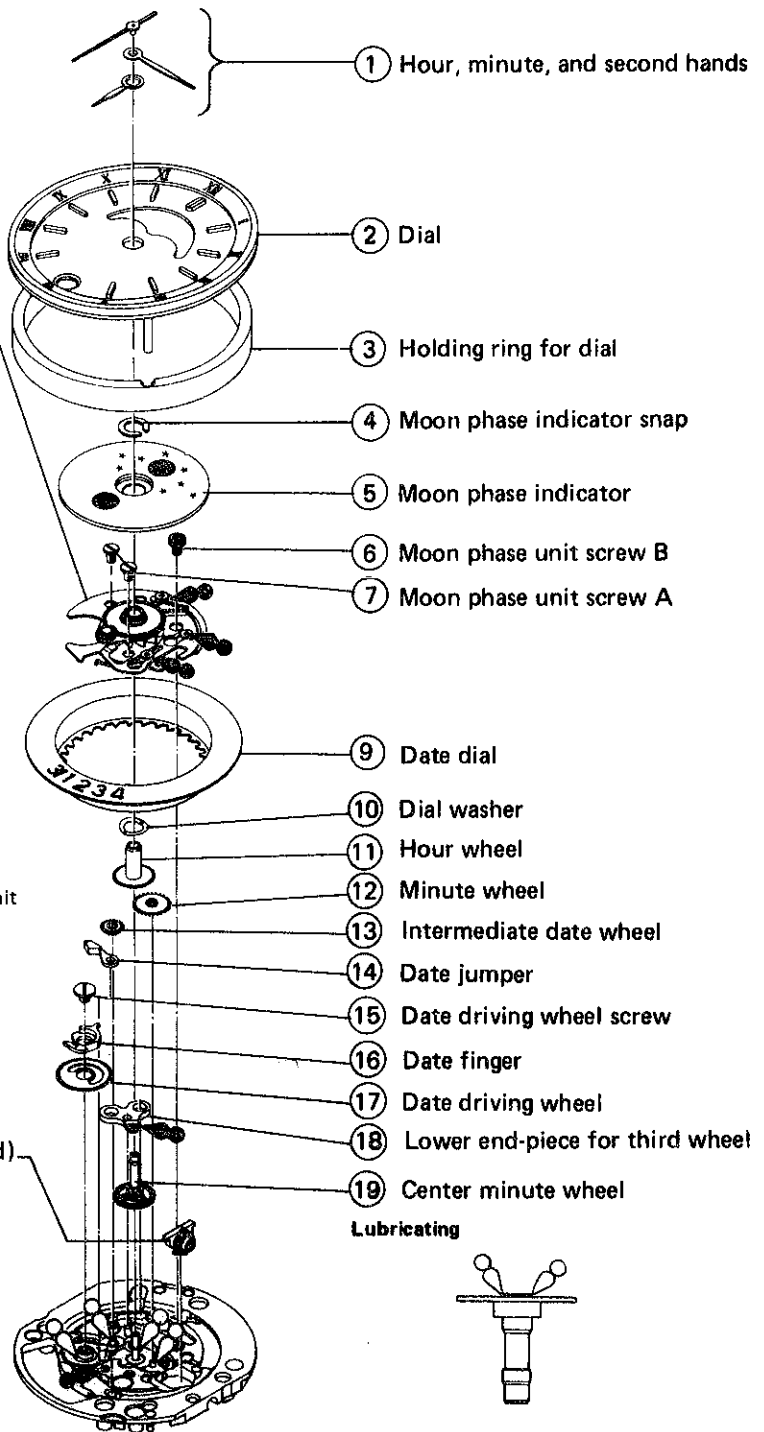
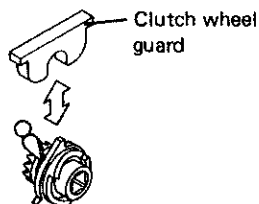
- When reassembling the moon phase unit, check that its jumper portion engages with the pinion of the moon phase indicator.

- Set the moon phase unit so that its spring properly engages with the date jumper.



②① Clutch wheel (with Clutch wheel guard)

The clutch wheel has a clutch wheel guard. Do not remove the clutch wheel guard except when replacing it. When setting or removing it, be sure to pass a stick through the clutch wheel so that it may not turn during the work.



Lubricating

