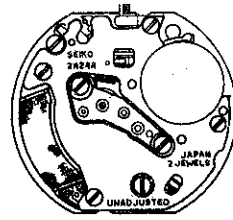
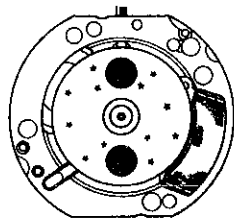


# TECHNICAL GUIDE

CAL. 2A24A

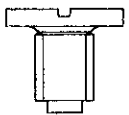

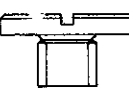
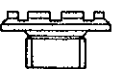
CAL. 2A54A



## I. SPECIFICATIONS

		Cal. No.	2A24A	2A54A	
		Item			
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		• Battery life indicator			
		Monthly rate at normal temperature range: less than 15 seconds			
		Movement size	Outside diameter	$\phi$ 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	$\phi$ 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

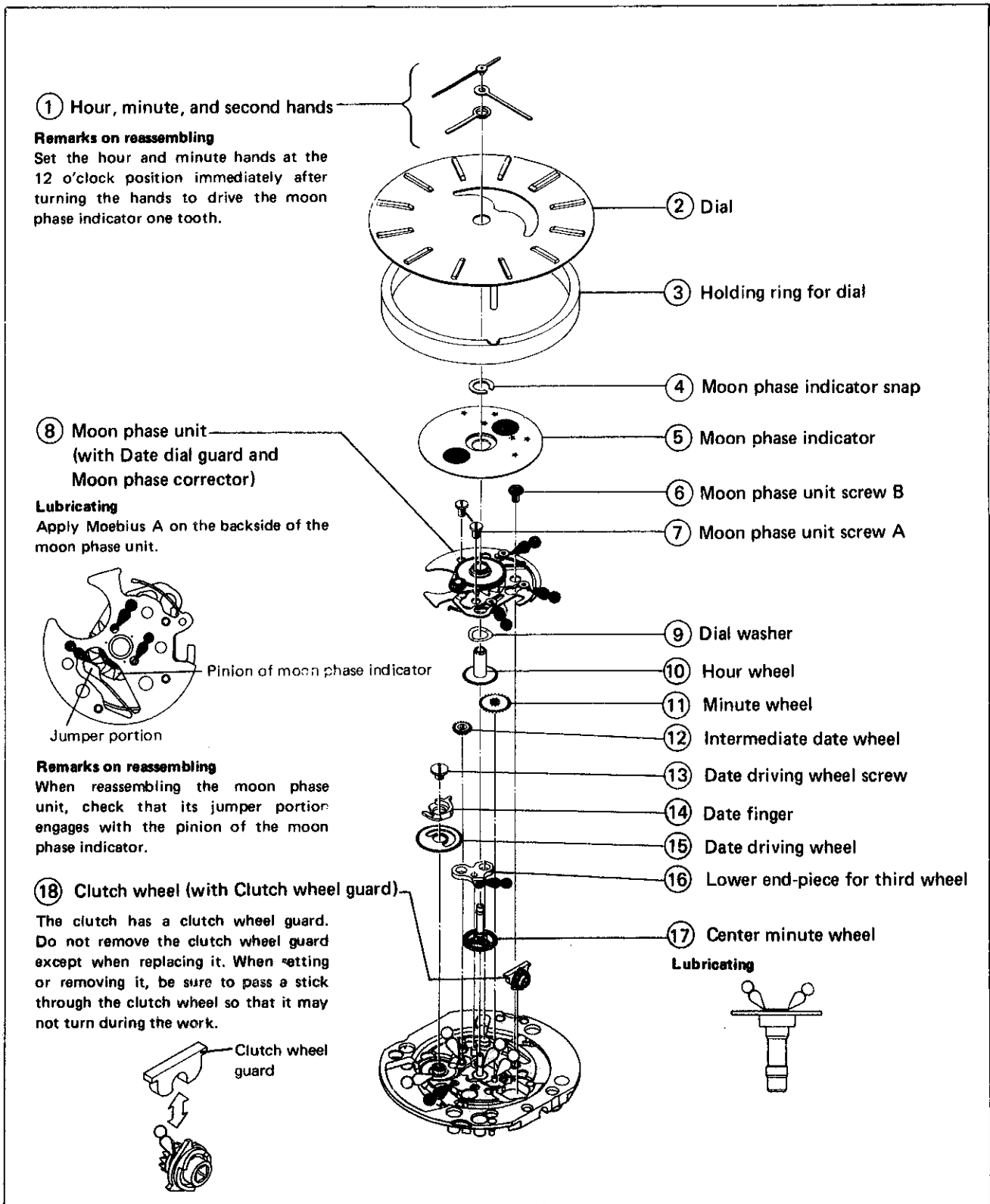
Lubricating: Types of oil

● SEIKO Watch Oil S-6

○ Moebius A

Oil quantity

∞ Normal quantity



# Cal. 2A54A

Disassembling procedures Figs. : ① → ②①

Reassembling procedures Figs. : ②① → ①

