



Seiko 2A24A,2A54A Movement Parts (1)

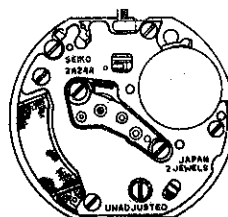
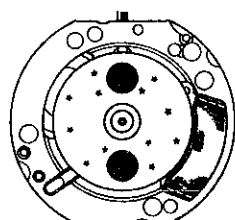
Compiled by EmmyWatch - <https://www.emmywatch.com>

TECHNICAL GUIDE

EMMYWATCH
VINTAGE RESTORATIONS

CAL. 2A24A

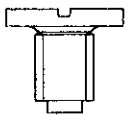

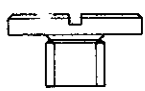

CAL. 2A54A



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	
		• Battery life indicator	
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.) Circuit block cover screw (4 pcs.) Setting lever spring screw (1 pc.)		012 006	Moon phase unit screw A (2 pcs.)
	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

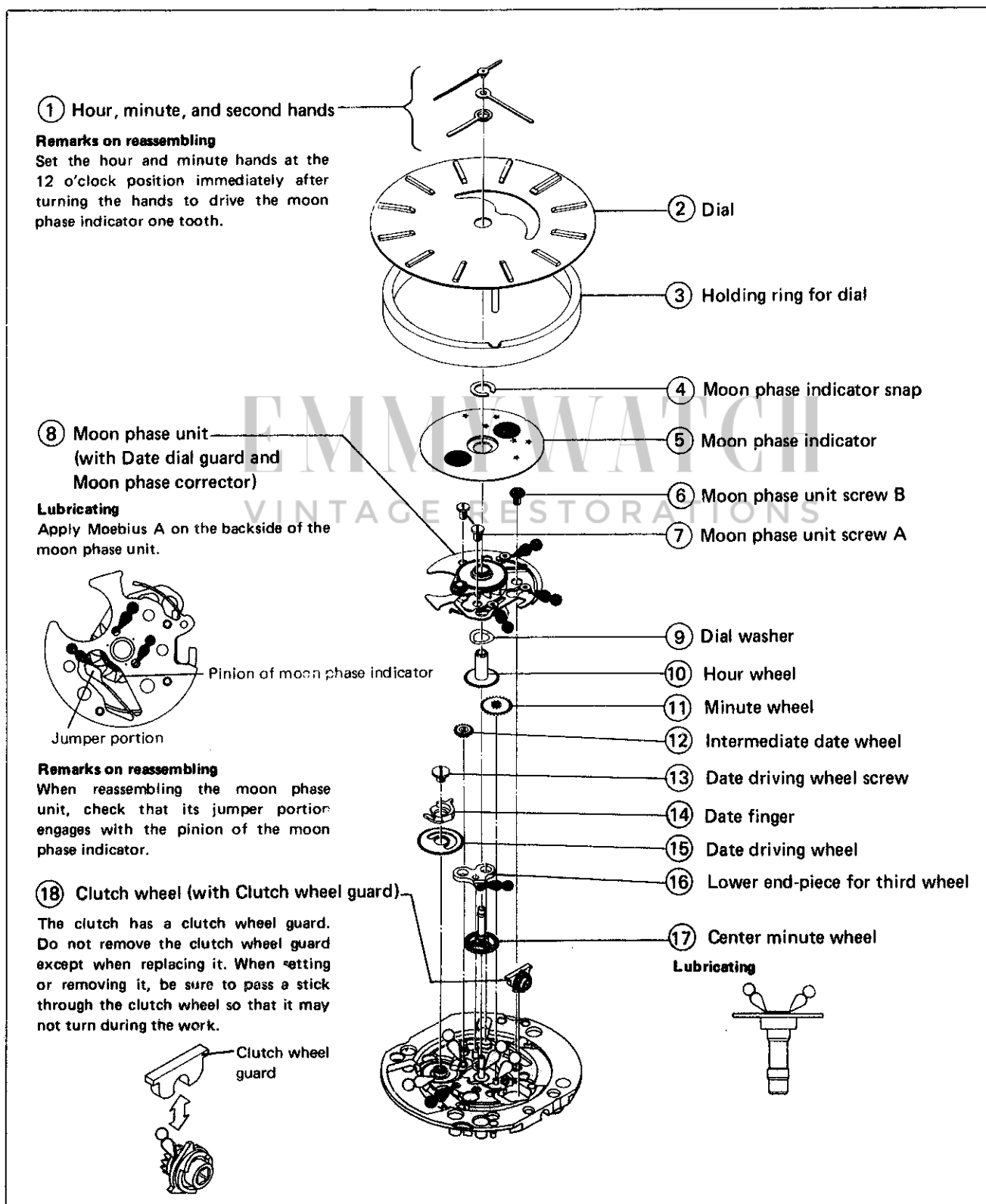
Lubricating: Types of oil

● SEIKO Watch Oil S-6

○ Moebius A

Oil quantity

∞ Normal quantity



Cal. 2A54A

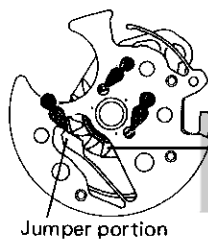
Disassembling procedures Figs. : ① → ②②

Reassembling procedures Figs. : ②② → 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.



Pinion of moon phase indicator

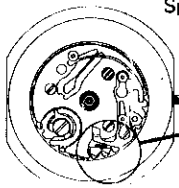
Jumper portion

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.

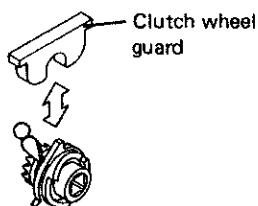
Spring portion of moon phase unit



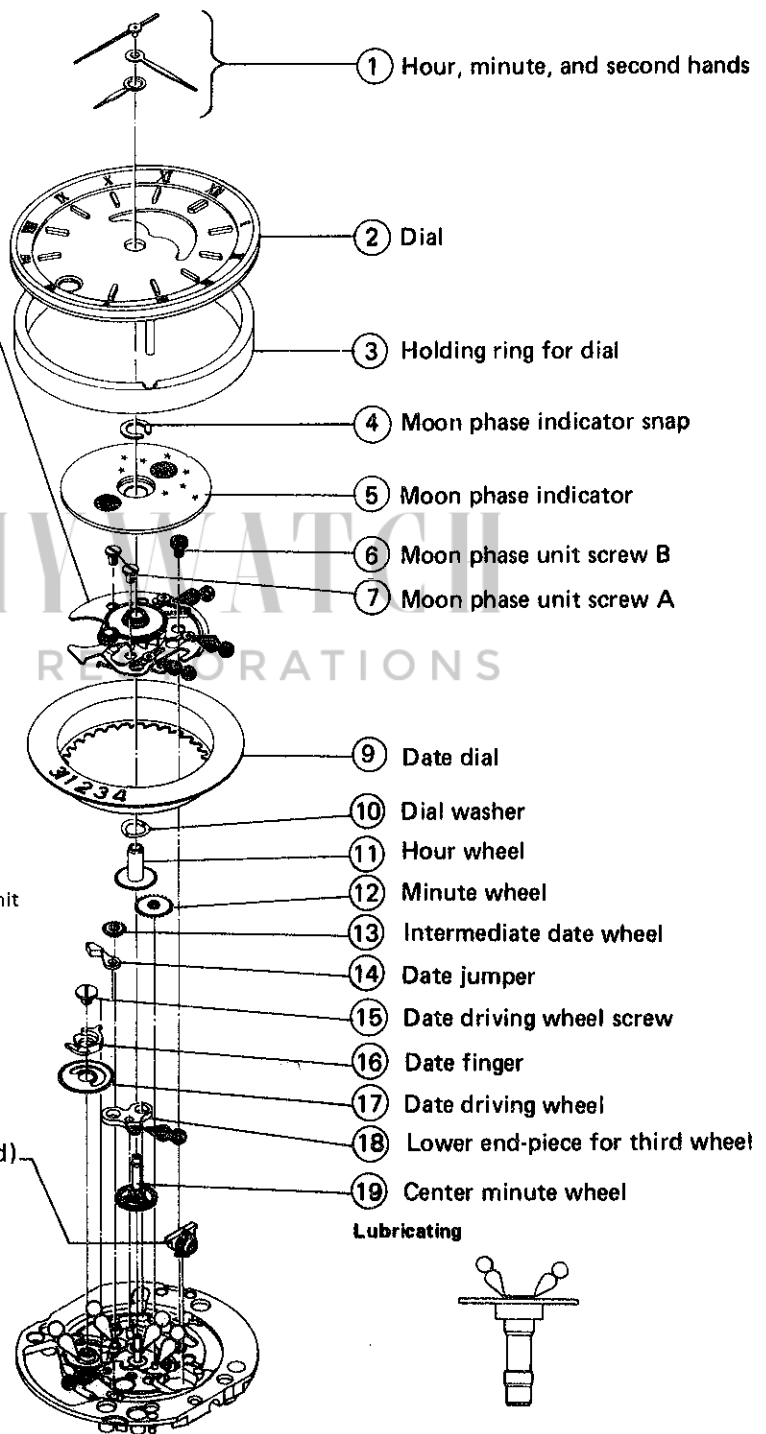
Date jumper

②② 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.



Clutch wheel guard



① Hour, minute, and second hands

② Dial

③ Holding ring for dial

④ Moon phase indicator snap

⑤ Moon phase indicator

⑥ Moon phase unit screw B

⑦ Moon phase unit screw A

⑨ Date dial

⑩ Dial washer

⑪ Hour wheel

⑫ Minute wheel

⑬ Intermediate date wheel

⑭ Date jumper

⑮ Date driving wheel screw

⑯ Date finger

⑰ Date driving wheel

⑱ Lower end-piece for third wheel

⑲ Center minute wheel

Lubricating

