

### Seiko 7L22A Movement Parts (1)

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

# PARTS CATALOGUE/TECHNICAL GUIDE Cal. 7L22A

### [SPECIFICATIONS]

ltem	Cal. No.	7L22A		
	Movement	(x 1.0)		
	Outside diameter	ø32.0 mm		
Movement size	Casing diameter	ø30.0 mm		
	Height	6.4 mm		
Time indication ( Movement intervals) Driving system VINTAC Additional mechanism		Stopwatch : Stopwatch minute and 1/5 second hands (0.2 second)Step motor, 2 pieces (Load compensated driving pulse type)• Electronic circuit reset switch • Train wheel setting device • Date calendar• Instant setting device for day calendar• Stopwatch function 45 minutes measurement in 1/5 second increments Accumulated elapsed time measurement Heartcam fly-back Reset		
Loss/gain		Monthly rate within normal temperature range: less than 15 seconds		
Regulation system		Nil		
Measuring gate by quartz tester		10-second gate		
Power Supply	Power generator	Automatic generating system		
Operating voltage range		Titaniume lithium ion rechargeable battery 0.45 ~ 2.5 V		
Duration of operation		From full charge to stoppage : Approximately 5 months		
Jewels		8 jewels		

### SEIKO WATCH CORPORATION

### **BEFORE STARTING REPAIR WORK ON 7L22A**

Before starting repairs, read this manual carefully to understand the features of this watch and strictly observe the instructions regarding how to perform repairs and checks in order to ensure appropriate work is carried out.

#### Features of Cal. 7L22A

The Cal. 7L22A is a fully-fledged chronograph featuring a Kinetic Automatic Generating System. 5M6 series parts are used for the Automatic Generating System and 7N series parts are used for the wheels and motors.

#### 1. Stopwatch functions

- The stopwatch is designed to time up to 45 minutes in 1/5 second increments.
- The measured time is indicated by two stopwatch hands.
- After timing for 45 minutes, it continues timing up until 48 minutes before automatically stopping.

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• The stopwatch can be reset even while it is currently timing.

#### • Stopwatch Operation:

Button A : Start/ Stop Button B : Reset



The two stopwatch hands are instantaneously reset to the zero position.

#### Measuring methods:

Standard measurement Accumulated elapsed time measurement

#### 2. Kinetic features

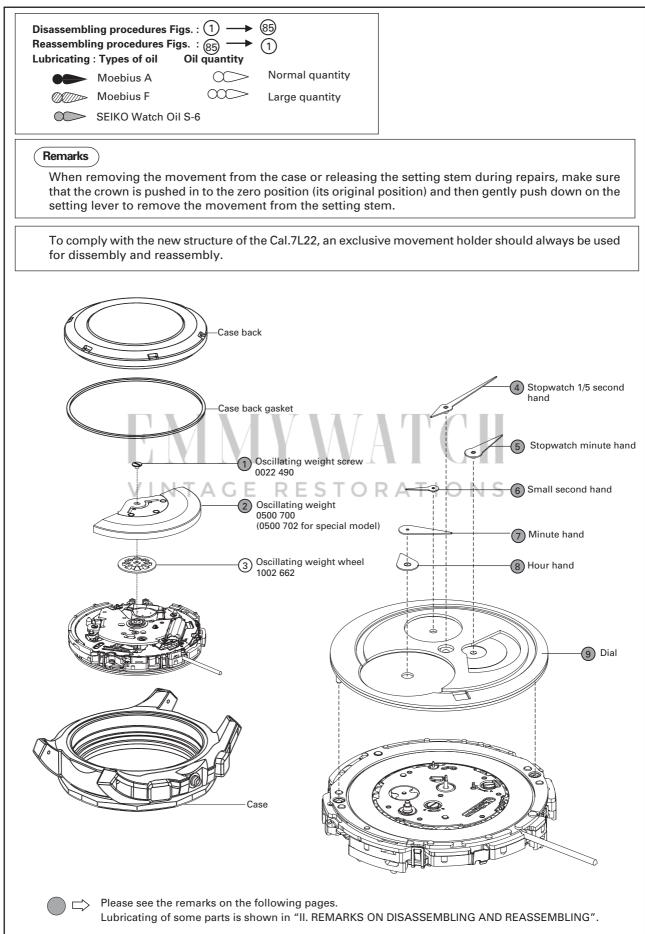
• The watch will keep operating for approximately 5 months when fully charged under the condition that the stopwatch is used for no longer than for 45 minutes per day.

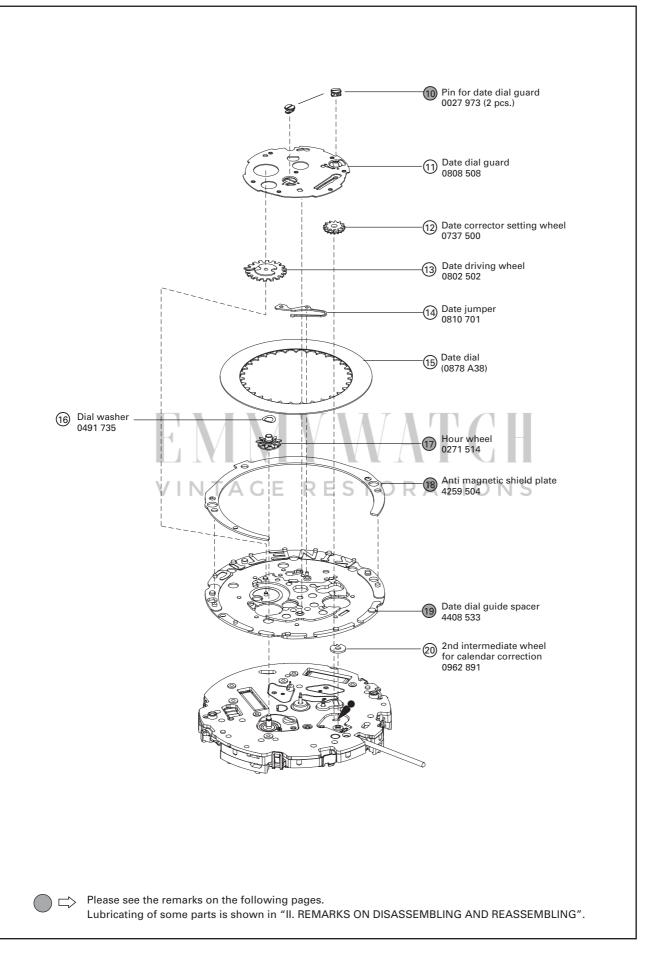
TAGE RESTORATIONS

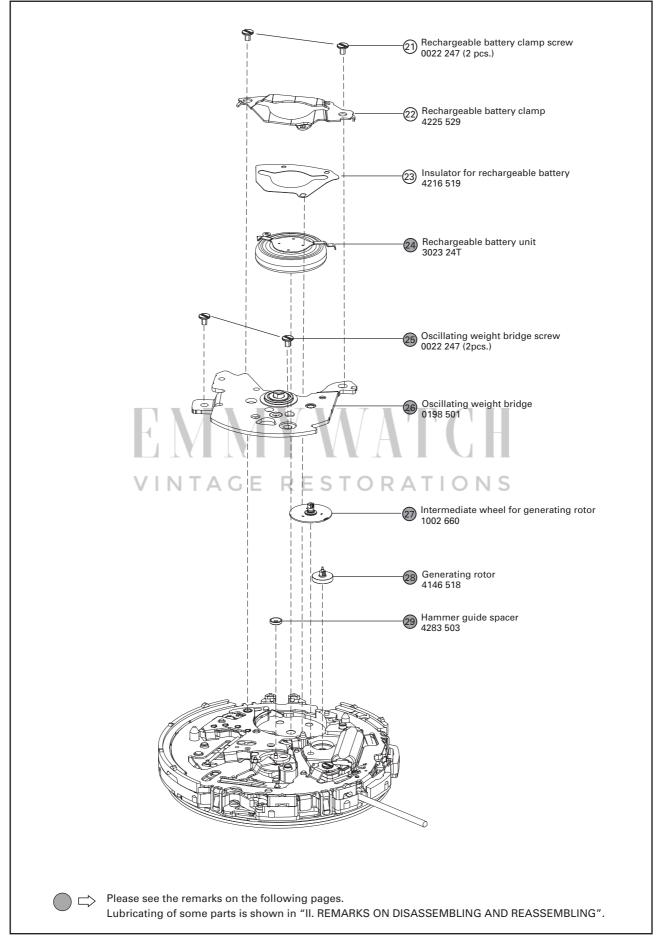
#### • Energy Depletion Forewarning Function

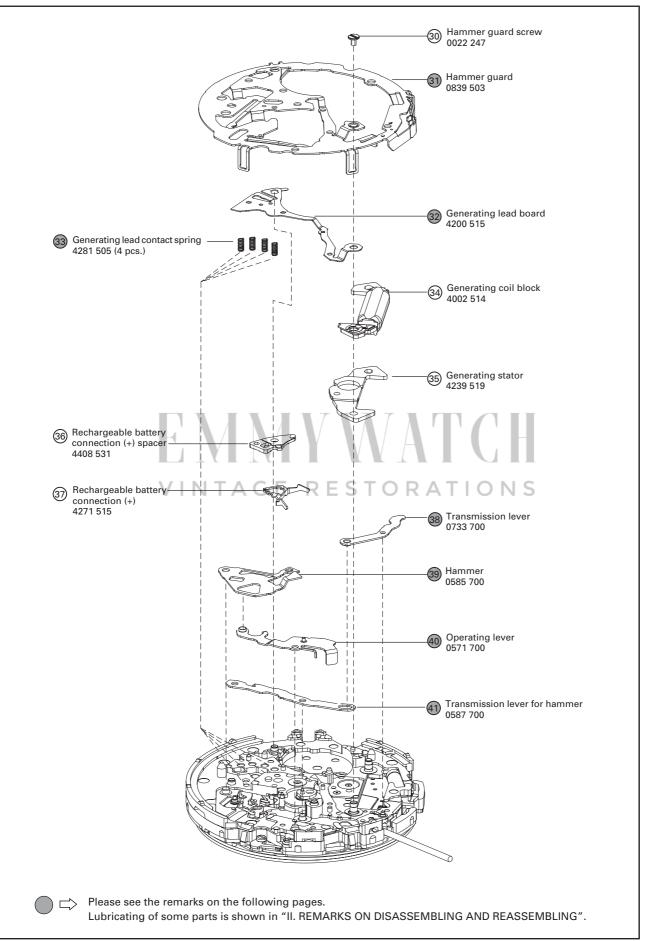
When energy is running low, the small second hand will start moving in two-second intervals to indicate recharging is required. If the watch is not recharged at this time, it will run down within approximately 12 hours after the initial forewarning.

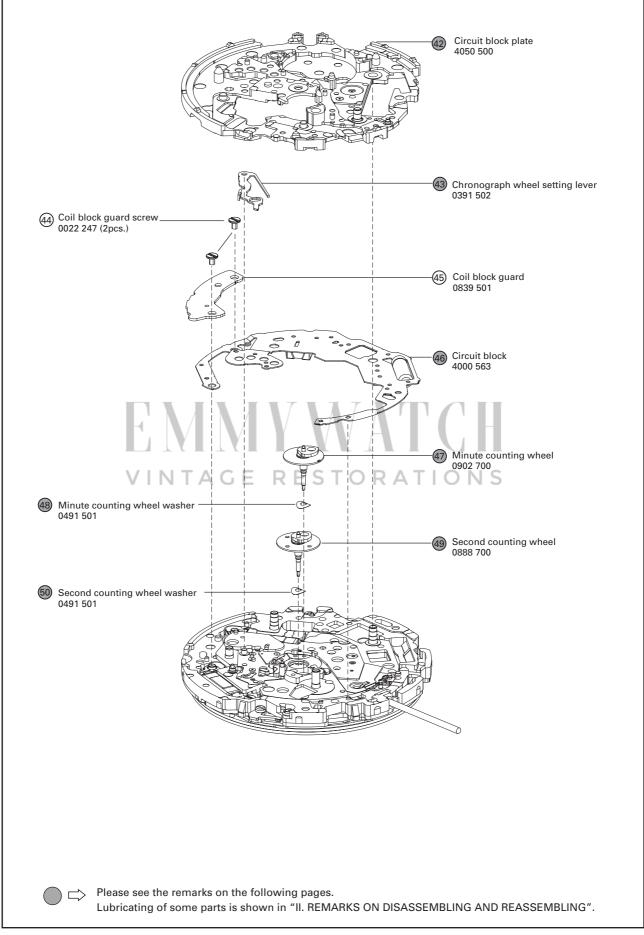
 Gently swing the stopped watch from side to side at least five hundred times until it returns to its normal one-second intervals from the two-second intervals.

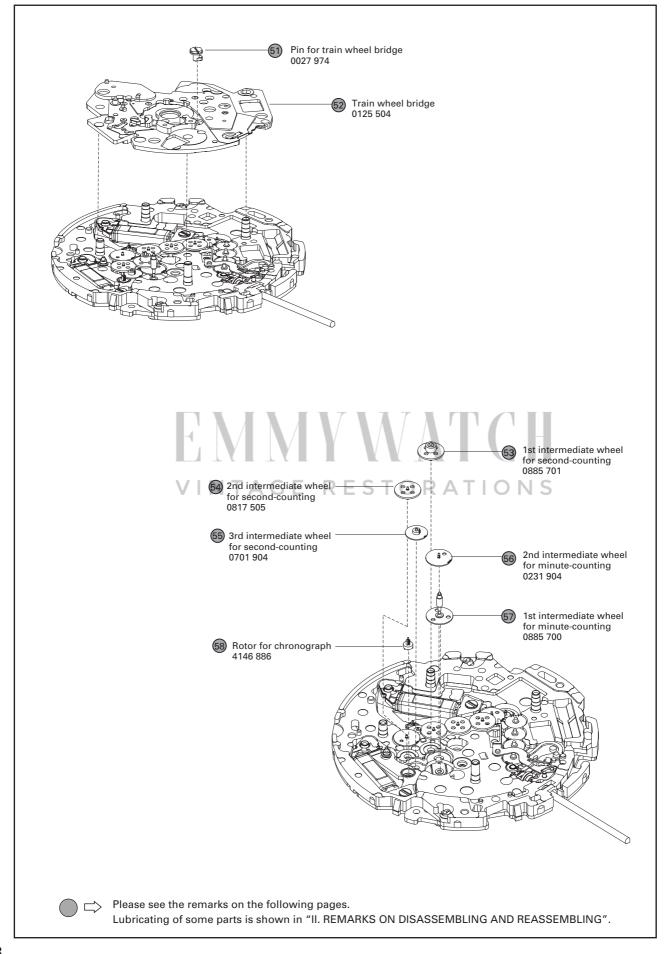


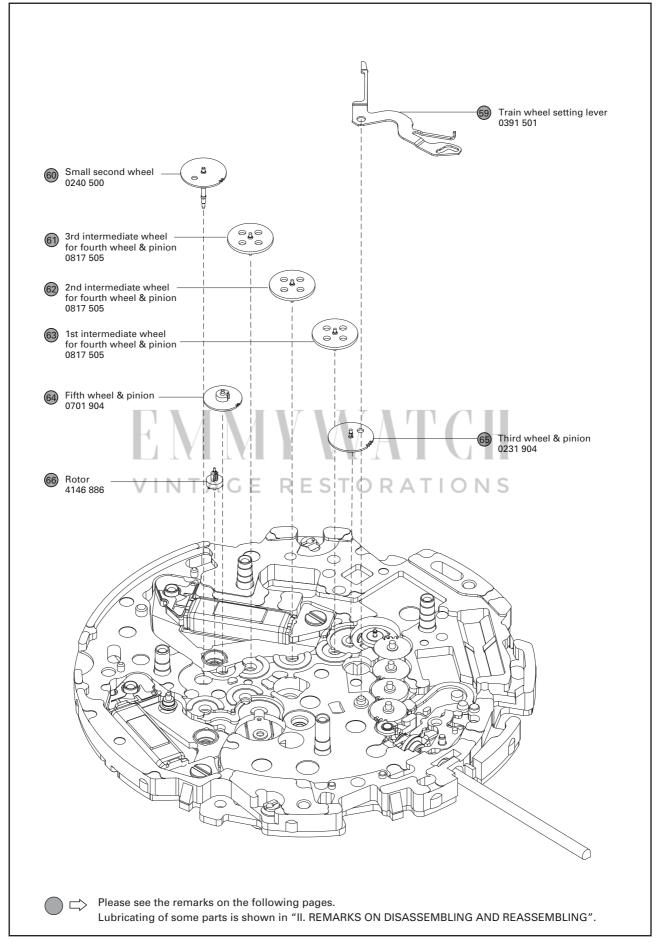


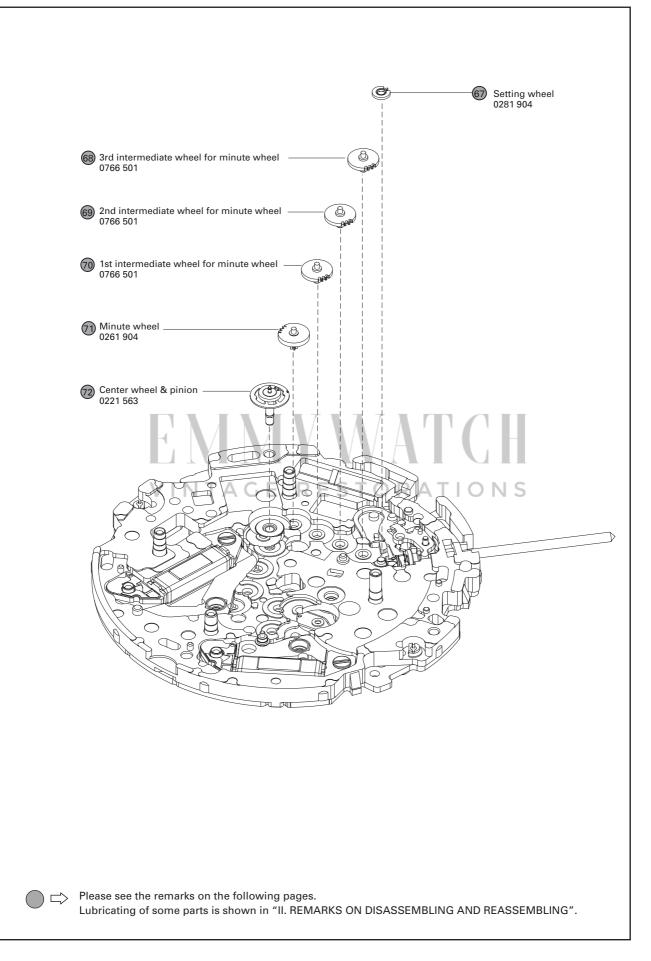


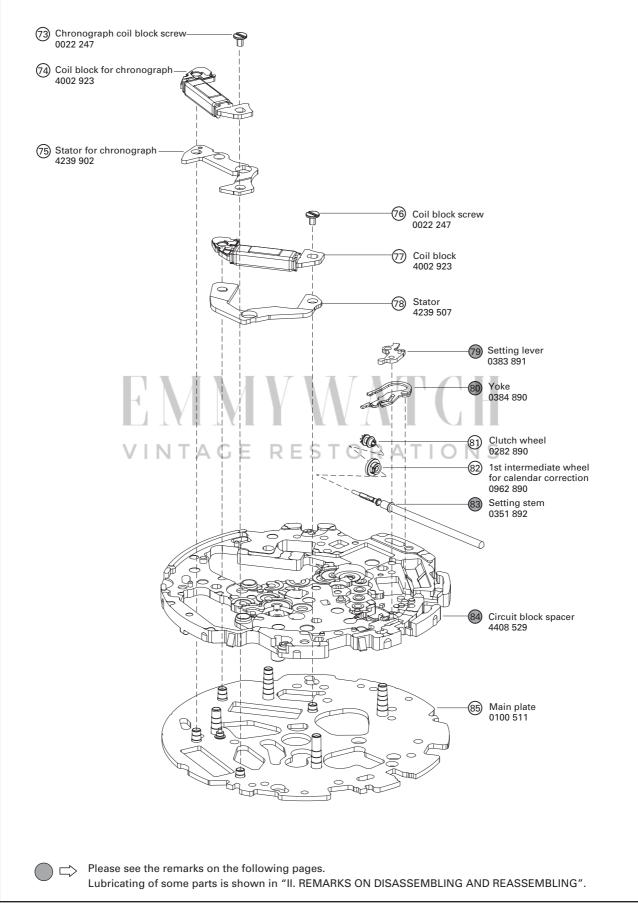












#### Remarks

#### (2) Oscillating weight 0500 700

Unless otherwise specified, use the oscillating weight (0500 700) for ordinary models. For some particular models, the oscillating weight for special model (0500 702) are provided. (Refer to the illustration below.)



\* Never use the oscillating weight for special model (0500 702) for models other than the specified ones.

#### (15)**Date dial**

Parts code	Crown position	Calendar frame position	Color of figure	Color of background			
0878 A37	3 o'clock	around 4 o'clock	white	black			
0878 A38	3 o′clock	around 4 o'clock	black	white			
83 Setting stem 0351 892							



The type of date dial and setting stem are determined based on the case design. O  $\,{\sf N}$  S Check the case number and refer to "SEIKO Casing Parts Catalogue" to choose the appropriate ones.

(10)Pin for date dial guard 0027 973

#### (51) Pin for train wheel bridge 0027 974

For distinction between those pins, see the illustration below.

Pin for date dial guard 0027 973

Pin for train wheel bridge 0027 974

