EMMENTAGE RESTORATIONS

Seiko 2A22A,2A23A,2A29A,2A32A Movement Parts (1)

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

TECHNICAL GUIDE



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I. SPECIFICATIONS

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Item	Cal. No.	2A22A	2A23A	2A29A	2A32A		Ó	Disassembling Reassembling	procedures Figs.: (1) \rightarrow (4) procedures Figs.: (4) \rightarrow (1)
Time indice	ition	3 hands		2 hands	3 hands			Lubricating:	Types of oil
Additional mechanism		Date			······································			-	C Moebius A O
			Day of the week						SEIKO Watch Oil S-6
		Instant date setting device						1. Hour, minu	te, and second hands \sim Holding ring for
		-	Instant day setting device					Ex. Cal. 2A	23A
Train wheel setting device Electronic circuit reset switch		Train wheel setting device				•	r-one automotion		
		Battery life indicat	or	-	Battery life indicator	\bigcirc	\bigcirc		
Loss/gain		Monthly rate at no	rmal temperature ran	ge: less than 15 seco	nds				
Movement size	Outside diameter	φ18.3 mm 16.3 mm between	3 o'clock and 9 o'cloc	k sides	¢20.7 mm			2 Dial - How to reme Insert a scree	ove ewdriver into the notches at
	Casing diameter	¢17.6 mm			φ20.0 mm			the 4 o'cloo and remove by prying	ck and 11 o'clock positions the dial from the main plate it up from the both ends.
	Height (without battery)	2.3 mm	2.7 mm	2.3 mm	2.5 mm	DE	STO	How to set Put the dia main plate.	I legs into the holes of the
Regulation	system	Trimmer condense	r				517	In Cal. 2A32 The dial legs	A: s are fixed on the main plate
Measuring gate by quartz tester		Any gate is availab	le.				0	with eccentr Eccentric di	ic dial pins. al pin
Battery		SEIKO (SEIZAIKI Battery life is appr Voltage: 1.55V	EN) TR621SW, Maxe oximately 2.5 years.	I SR621SW, SONY E	EVEREADY 364				Dial leg
Jewels		2 jewels						Untighten	Tighten
II. STR		TE CIRCUIT BLOO	CK rminal ()	opdenser					
Output terminal						\cap	\bigcirc		

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-Input terminal (+)

III. DISASSEMBLING, REASSEMBLING, AND LUBRICATING

quantity

- > Normal
- C> Extremely small

dial





IV. CHECKING AND ADJUSTMENT

• The explanation here is only for the particular points of Cals. 2A22A, 2A23A, 2A29A and 2A32A.



Refer to the "TECHNICAL GUIDE, GENERAL INSTRUCTION" for SEIKO Analogue Quartz for details.

rocedure						
Result: Normal: Defective:	Input indicator blinks every second. Input indicator does not blink every second.					
Result: Normal: Defective:	More than 1.5V Less than 1.5V Replace the battery with a new one.					
the circuit block.						
of the conductive	portions of the circuit block.					
coil block. Use the	e volt-ohm-meter, and be sure to make a					
Resuit: Normal: Defective	2.8KΩ ~ 3.4KΩ -Less than 2.8KΩ (Short circuit) -More than 3.4KΩ (Broken wire) Replace the coil block with a new one.					

Check alignment and play in the step rotor and in the wheels, and also check to see whether the gear train is



Procedure

• Do not check current consumption under an incandescent lamp since strong light may cause a watch to Set the A-V switch of the multi-adapter to the "A" position and the mode switch of the tester to the " μ A". The tester's value-averaging calculation function automatically takes average of a maximum and a minimum **Result:** Normal : Less than $1.0\mu A$ Defective: More than 1.0µA Result: Normal (Circuit block): Less than 0.55µA Check the gear train mechanism. Defective (Circuit block): More than 0.55µA Replace the circuit block with a new one.

Check to see whether the second hand moves at 2-second intervals when the output voltage is set on 1.30V \sim



When replacing the crown gasket, follow the procedure below.

How to disassemble the holding ring for crown gasket

Squeeze the holding ring for crown gasket with pliers and remove it.

(Be sure to replace the holding ring for crown gasket with a new one.)

How to reassemble the holding ring for crown gasket

Be sure to apply silicone grease (500,000 c.s.) to the crown gasket.

Put a new holding ring for crown gasket in position with a finger or tweezers.



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EMM VWATCH VINTAGE RESTORATIONS

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Replacing battery and Periodic check

