SEIKO

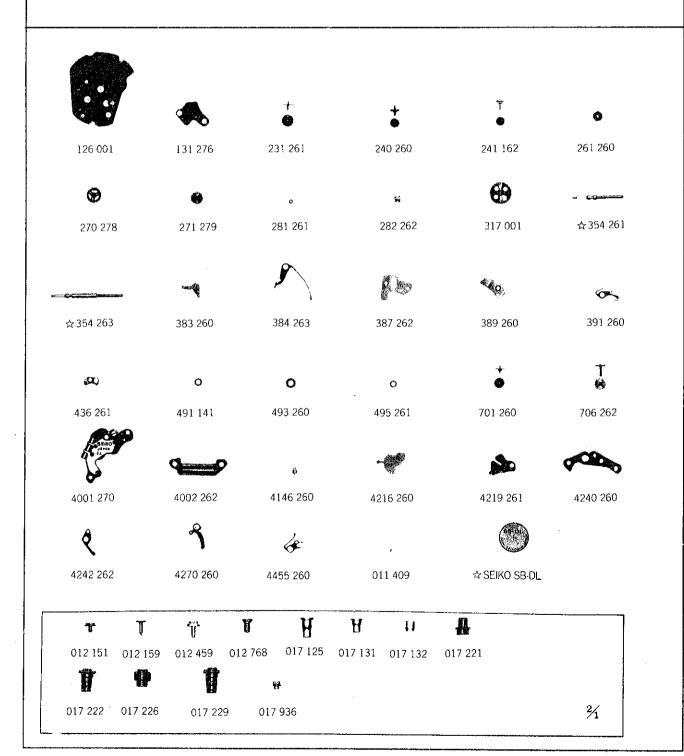
QUARTZ

Cal. 2628A

Cal. 2628A







Cal. 2628A

Characteristics

Two hands time indication (with a small second hand)

Casing diameter:

ø 17.6 mm

Maximum height:

3.7 mm without battery

Jewels:

2 i

Frequency of quartz crystal oscillator: 32,768 Hz (Hz=Hertz..... Cycles per second)

Driving system: Step motor (2 poles)
Regulation system: Trimmer condenser

Battery life indicator: Small second hand moves in two-second interval.

PART NO.	PART NAME	PART NO.	PART NAME
126 001	Additional train wheel bridge	4146 260	Step rotor
131 276	Third wheel bridge	4216 260	Insulator for battery
231 261	Third wheel & pinion	4219 261	Insulator for battery connection
240 260	Small second wheel	4240 260	Rotor stator
241 162	Fourth wheel & pinion	4242 262	Plus terminal of battery connection
261 260	Minute wheel	4270 260	Battery connection
270 278	Center minute wheel with cannon	4455 260	Reset lever
	pinion (2.62 mm)	011 409	Upper hole jewel for step rotor
270 279	Center minute wheel with cannon	011 409	Lower hole jewel for step rotor
	pinion (2.62 mm, Gold plated)	012 151	Third wheel bridge screw
271 279	Hour wheel	012 151	Circuit block screw (A)
281 261	Setting wheel	012 151	Coil block screw (Screw for plus
282 262	Clutch wheel		terminal of battery connection)
317 001	Intermediate small second wheel	012 151	Screw for additional train wheel
☆354 261	Winding stem (13.13 mm)		bridge (A)
☆354 263	Winding stem (18.58 mm)	012 159	Circuit block screw (B)
383 260	Setting lever	012 159	Screw for additional train wheel
384 263	Yoke (Clutch lever)		bridge (B)
387 262	Minute wheel bridge	012 459	Case screw
389 260	Setting lever axle spring	012768	Setting lever axle spring screw
391 260	Train wheel setting lever	012768	Minute wheel bridge screw
436 261	Lower end-piece for third wheel	017 125	Tube for circuit block (A)
491 141	Dial washer	017 131	Tube for coil block screw
493 260	Hour wheel ring (Gold, 0.03 mm	017 132	Train wheel setting lever pin
	thickness)	017 221	Tube for circuit block (B)
493 261	Hour wheel ring (Silver, 0.05 mm	017 232	Tube for circuit block (C)
	thickness)	017 226	Tube for third wheel bridge screw (A)
493 262	Hour wheel ring (Gold, 0.07 mm	017 229	Tube for third wheel bridge screw (B)
	thickness)	017 936	Eccentric dial pin
495 261	Spacer for third wheel bridge	☆SEIKO SB-DL \	Silver (II) oxide battery
701 260	Fifth wheel & pinion	☆ SEIKO TR726SW ∫	ante. (11) onide buttery
706 262	Sixth wheel & pinion	☆ Maxell SR726SW \	Silver oxide battery
4001 270	Circuit block	☆U.C.C.397	Citto Chigo Davior,
4002 262	Coil block	M O.O.O.O.O / / //	

Remarks:

Winding stemRefer to the photograph on the front page.

\$\approx 354 261 \cdots \cdot

Battery

☆ SEIKO TR726SW

☆ SEIKO SB-DL

☆ Maxell SR726SW

☆ U.C.C. 397

The substitutive battery might be added to the applied battery in the future. In that case, please refer to separate "BATTERY LIST FOR SEIKO

QUARTZ WATCHES".

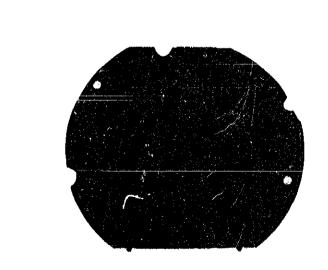
Note that SEIKO battery is marked with "SEIZAIKEN" on its (+) side.

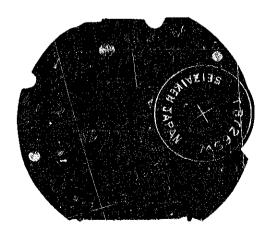
[☆] Please see remarks.

TECHNICAL GUIDE

SEIKO

CAL. 2628A





CONTENTS

••		
н.	STRUCTURE OF THE CIRCUIT BLOCK	. 1
111.	DISASSEMBLING, REASSEMBLING AND LUBRICATING	. 2
IV.	CHECKING AND ADJUSTMENT	4

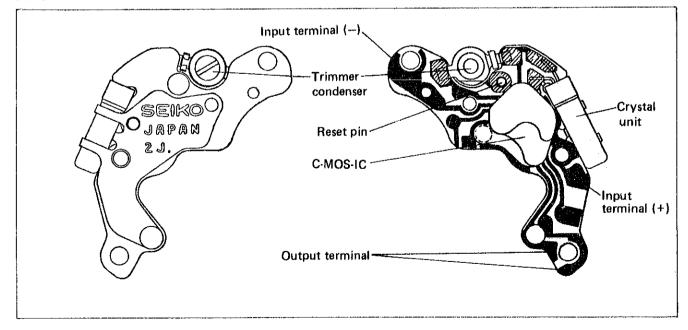
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I. SPECIFICATIONS

Cal. 2628A, provided with a small second hand at the 6 o'clock position, is derived from Cal. 2620A.

Cal. No.	2628A		
Item	20207		
Time indication	Two hand time indication (with a small second hand)		
Additional mechanism	Electronic circuit reset switch		
	Battery life indicator		
Loss/gain	Loss/gain at normal temperature range		
	Monthly rate: less than 15 seconds		
	(Annual rate: less than 3 minutes)		
Movement size	φ18.0 mm		
Casing diameter	φ17.6 mm		
Height	3.7 mm without battery		
Regulation system	Trimmer condenser		
Measuring gate by Quartz Tester	Any gate is available.		
Battery power	Battery life is approximately 3 years for SEIKO (SEIZAIKEN)		
	TR726SW or SB-DL and 2 years for Maxell SR726SW or U.C.C. 397.		
	Voltage: 1.55V		
Jewels	2 jewels		

II. STRUCTURE OF THE CIRCUIT BLOCK



III. DISASSEMBLING, REASSEMBLING AND LUBRICATING

• Disassembling and reassembling

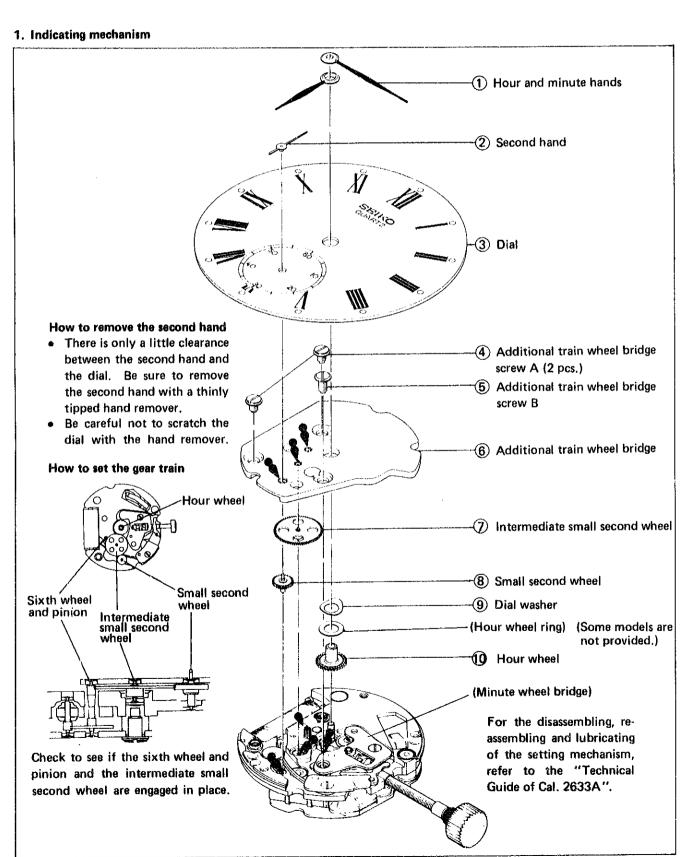
Disassembling procedures Figs. \bigcirc \sim \bigcirc \bigcirc Reassembling procedures Figs. \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc

Use the movement holder S-661

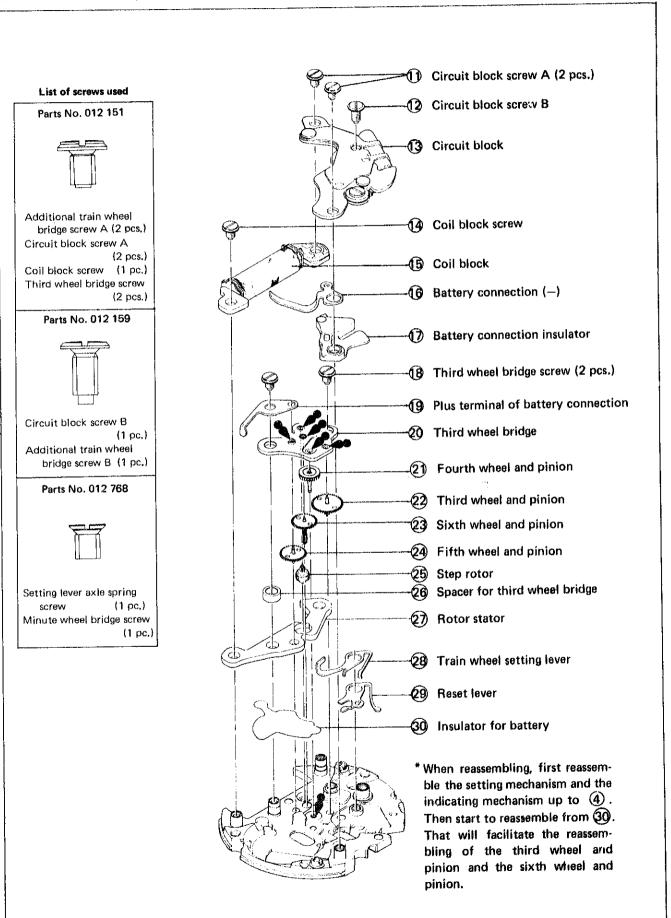
Lubricating

Types of oil Moebius A Oil quantity Normal
 ■

SEIKO Watch Oil S-6 Extremely small



2. Electronic circuit and gear train mechanism



IV. CHECKING AND ADJUSTMENT

• Refer to the "Technical Guide of the Cal. 2633A" for details.

The difference of checking and adjustment of Cal. 2633A and Cal. 2628A is as follows.

Procedure		
CHECK COIL BLOCK		
	Resuit:	
	2.0 k Ω ~ 4.0 k Ω : Normal Less than 2.0 k Ω (Short circuit) More than 4.0 k Ω (Broken wire) Replace the coil block with a new one.	
CHECK CURRENT CONSUMPTION		
	Result: Less than 1.2 μ A: Normal More than 1.2 μ A: Defective	
	Check the electronic circuit.	

All procedures of Disassembling, Reassembling, Checking and Adjustment are completed.

