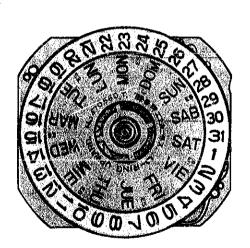
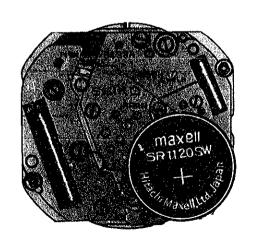
TECHNICAL GUIDE

SEIKO

CAL. 6430. 6431. 6432. 6433. 6439





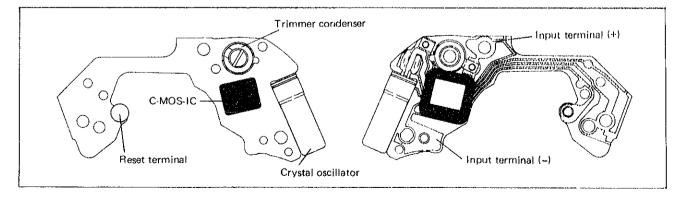
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I. SPECIFICATIONS

Cal. No. Item Time indication		6430 2 hands	6431	6432 3 hands	6433 3 hands	6439 2 hands		
			3 hands					
Additional mechanism	Date			V	\ \ \	V		
	Day of the week			and	✓			
	Bilingual changeover system for the day of the week				✓			
	Instant date setting device		***	√	√ V	√		
	Instant day setting device				√			
Ado	Electronic circuit reset switch	√	✓	√	√	✓		
	Train wheel setting device	√	√	✓	✓	✓		
	Battery life indicator		V	V	√			
Loss/	gain	Monthly late:	normal tempera less than 15 so less than 3 m	econds	· · · · · · · · · · · · · · · · · · ·			
Casını	g diameter	φ 24.0 mm				***************************************		
Height		2,4 mm without battery			2.7 mm without battery			
Measuring gate by Quartz Tester		Any gate is available						
Regulation system		Trimmer condenser						
Battery		Maxell SR1120SW, U.C.C. 381, SEIKO (SEIZAIKEN) TR1120SW or SB-DS Battery life is approximately 2 years. Voltage: 1.55V						
Jewels		7 jewels				* ***		

II. STRUCTURE OF THE CIRCUIT BLOCK



III. LIST OF SCREWS USED

Shape	Parts No.	Parts Name	Shape	Parts No.	Parts Name
	022 411	Train wheel bridge screw Circuit block screw Battery connection (+) screw Setting lever spring screw		022 754	Date dial guard screw Hour wheel guard screw

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IV. DISASSEMBLING, REASSEMBLING AND LUBRICATING

Disassembling procedures Figs.:

Reassembling procedures Figs.:

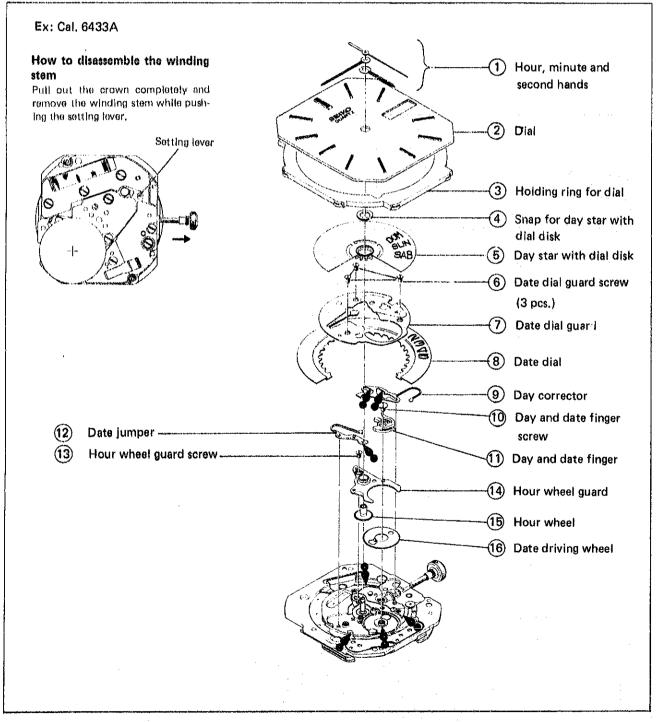
• Lubricating: Type of oil

Moebius A

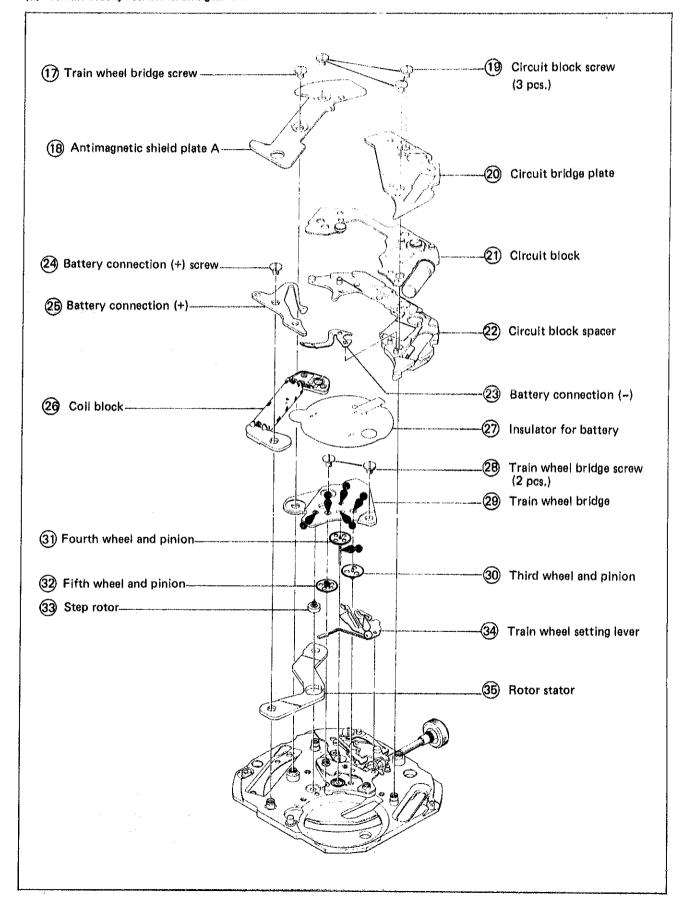
SEIKO watch oil S-6

Use the movement holder S-667 or S-680

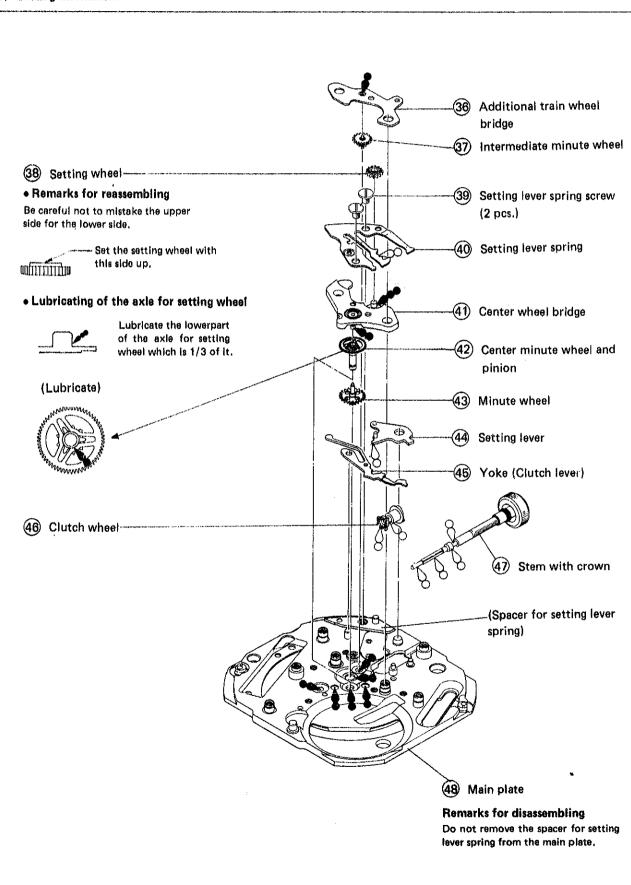
(1) Calendar mechanism



(2) Circuit block, coil block and gear train



(3) Setting mechanism



V. CHECKING AND ADJUSTMENT

• Refer to the "SEIKO QUARTZ TECHNICAL GUIDE, GENERAL INSTRUCTION" for analogue watches for details.

Procedu	re .
CHECK OUTPUT SIGNAL	
	Result:
	Blinking 1-second intervals: Normal
	No blinking 1-second intervals: Defection
CHECK HAND SETTING CONDITION	
CHECK BATTERY VOLTAGE	
	Result:
	More than 1.5V: Normal
4	Less than 1.5V: Defective
CHECK BATTERY CONDUCTIVITY	
CHECK CIRCUIT BLOCK CONDUCTIVITY CHECK COIL BLOCK	
	Result:
	1.5k Ω \sim 3.5k Ω : Normal
	Less than 1.5kΩ
	More than 3.5kΩ — Defective
CHECK RESET AND TRAIN WHEEL SETTING CONDIT	ions
Check to see if the second hand stops immediately a promptly after one second when the crown is pushed be	
Check the conductivity condition of the reset pin and to the crown pulled out completely. Reset pin /Probe	he train wheel bridge by using the Quartz tester wit
Engaged figure viewed	Probe Result:
from side	Less than 10Ω: Normal
The state of the s	More than 10Ω: Defective
Probe	Reset pln

Procedure 3. Check for the clearance between the train wheel setting lever and the fifth wheel and pinion. With the crown at the With the crown pulled normal position. out completely. Train wheel setting lever Train wheel setting Fifth wheel and pinion Fifth wheel and pinion Clearance **CHECK GEAR TRAIN MECHANISM** CHECK SETTING AND CALENDAR MECHANISM CHECK ACCURACY CHECK CURRENT CONSUMPTION Result: Less than 2,5µA: Normal More than 2.5µA: Defective CHECK APPEARANCE AND FUNCTIONING

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