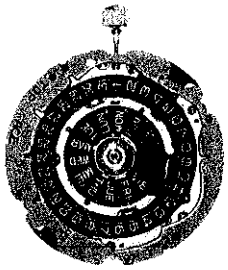
SEIKO

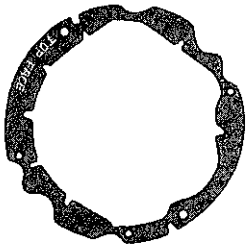
QUARTZ

Cal. 7A38A

PARTS CATALOGUE

Cal. 7A38A





105 726

125 725

190 725

190 726

190 727

195 725

221 726

231 725

240 726

241 725

261 725

271 727

281 725

282 728

353 725

☆354 728

383 725

384 725

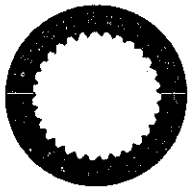
388 725

☆470 678

701 725

737 726

766 725



☆801 593

☆808 725

810 726

867 725

885 725

885 726

885 727

888 732

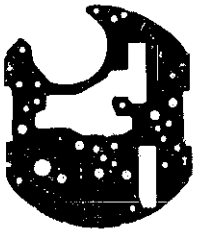
888 731

888 733

962 726

962 727

963 725



4001 726

4002 725

4002 726

4146 725

4146 727

4239 725 4239 726 4239 727

4259 725

4270 725

4271 731

4408 710

4408 711

4450 725

4450 727

4450 855

☆Maxell SR936SW

☆⇨Please see remarks on the next page.

Cal. 7A38A

Characteristics

Casing diameter : φ 29.0 mm
Maximum height : 4.6 mm
Jewels : 15 j
Frequency of quartz crystal oscillator : 32,768 Hz (Hz=Hertz . . . . . Cycles per second)
Driving system : Step motor (2 poles)
Regulation system : Rotary step switch
Chronograph
Chronograph test system
Calendar (day and date)
Instant setting device for day and date calendar
Train wheel setting
Battery life indicator

PART NO.	PART NAME	PART NO.	PART NAME
105 726	Dial seat	**4146 725**	Step rotor C (for minute)
125 725	Train wheel bridge	**4146 725**	Step rotor D (for 5/100 second)
190 725	Chronograph second bridge	**4146 727**	Step rotor B (for second)
190 726	Chronograph minute bridge	**4239 725**	Rotor stator A (for time)
190 727	Chronograph 5/100 second bridge	**4239 726**	Rotor stator C (for chronograph minute)
195 725	Calendar plate	**4239 726**	Rotor stator D (for chronograph 5/100 second)
221 726	Center wheel & pinion	**4239 727**	Rotor stator B (for chronograph second)
231 725	Third wheel & pinion	**4259 725**	Anti-magnetic shield plate
240 726	Small second wheel	**4270 725**	Battery connection (−)
241 725	Fourth wheel & pinion	**4271 731**	Battery connection (+)
261 725	Minute wheel	**4408 710**	Circuit block spacer
271 727	Hour wheel	**4408 711**	Setting wheel spacer
281 725	Setting wheel	4450 725	Change-over switch lever
282 728	Clutch wheel	4450 727	Switch lever
353 725	Friction spring for second counting wheel	4450 855	Rotary step switch
☆**354 728**	Winding stem	**022 235**	Dial screw
383 725	Setting lever	**022 286**	Anti-magnetic shield plate screw
384 725	Yoke	**022 286**	Battery connection (+) screw
388 725	Setting lever spring	**022 341**	Chronograph second bridge screw
☆**470 678**	Day star with dial disk	**022 424**	Train wheel bridge screw
701 725	Fifth wheel & pinion	**022 424**	Chronograph minute bridge screw
737 726	Date corrector setting wheel	**022 424**	Chronograph 5/100 second bridge screw
766 725	Intermediate minute wheel	**022 424**	Coil block screw
☆**801 593**	Date dial	**022 424**	Setting lever spring screw
☆**808 725**	Date dial guard	**022 745**	Date dial guard screw
810 726	Date jumper	011 151	Lower hole jewel for 5/100 second counting wheel
867 725	Day and date driving wheel	011 306	Upper hole jewel for second counting wheel
885 725	Second-counting intermediate wheel	011 306	Upper hole jewel for 5/100 second counting wheel
885 726	Minute-counting intermediate wheel	011 542	Upper hole jewel for fifth wheel
885 727	5/100 second-counting intermediate wheel	011 542	Upper hole jewel for 5/100 second-counting intermediate wheel
888 732	Second-counting wheel	011 542	Lower hole jewel for 5/100 second-counting intermediate wheel
888 731	Minute counting wheel	011 552	Lower hole jewel for step rotor
888 733	5/100 second counting wheel	011 552	Lower hole jewel for step rotor (chronograph minute)
962 726	Intermediate wheel for calendar cerrection correction	011 552	Lower hole jewel for step rotor (chronograph second)
962 727	Additional intermediate wheel for calendar correction	011 552	Lower hole jewel for step rotor (chronograph 5/100 second)
963 725	Snap for day star with dial disk		
4001 726	Circuit block		
4002 725	Coil block A (for time indication)		
4002 725	Coil block B (for chronograph second)		
4002 726	Coil block C (for chronograph minute)		
4002 726	Coil block D (for chronograph 5/100 second)		
4146 725	Step rotor A (for time)		

☆ ⇨ Please see remarks on the reverse page.
Part numbers in light letters are not shown in photos.

Cal. 7A38A

PART NO.	PART NAME	PART NO.	PART NAME
011 568	Upper hole jewel for rotor stator	027 172	Tube for coil block screw
011 568	Upper hole jewel for rotor stator (chronograph minute)	☆027 141	Tube for anti-magnetic shield plate screw (A)
011 568	Upper hole jewel for rotor stator (chronograph second)	027 141	Tube for battery connection (+) screw (A)
011 568	Upper hole jewel for rotor stator (chronograph 5/100 second)	☆027 143	Tube for anti-magnetic shield plate screw (B)
011 739	Upper hole jewel for center minute wheel	027 143	Tube for battery connection (+) screw (B)
023 337	Tube for setting lever spring screw	☆027 144	Tube for anti-magnetic shield plate screw (C)
023 351	Guide tube for setting lever spring screw	027 171	Tube for chronograph second bridge
027 138	Tube for train wheel bridge	027 758	Setting lever pin
027 138	Tube for chronograph minute bridge	027 768	Switch lever axle
027 138	Tube for chronograph 5/100 second bridge	027 760	Switch lever pin
027 139	Tube for yoke screw	027 761	Switch pin
		☆Maxell SR936SW	Silver oxide battery

Remarks :

Winding stem

☆354 728 ····· Refer to the photograph on the front page.
If the combination of the winding stem and case is unknown, check the case number and refer to **"SEIKO Quartz Casing Parts Catalogue"** to choose a corresponding winding stem.

Day star with dial disk

☆470 678 (Black figures on white background)
☆470 679 (White figures on black background) ..... Used when the crown is located at **8** o'clock position and the calendar frame is at **3** o'clock position.

If any other type of day star with dial disk is required, specify the number printed on the disk.

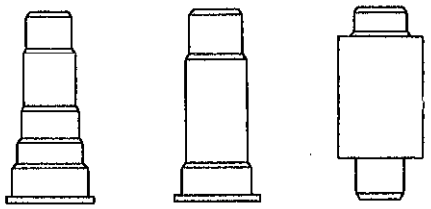
Date dial

☆801 593 (Black figures on white background)
☆801 594 (White figures on black background) ..... Used when the crown is located at **8** o'clock position and the calendar frame is at **3** o'clock position.

If any other type of date dial is required, specify ① Cal. No. ② The crown position ③ The calendar frame position and ④ Dial No.

Tube for anti-magnetic shield plate (A), (B), (C)

☆027 141
☆027 143
☆027 144 ····· Refer to the illustration on the right.



☆027 141 ☆027 143 ☆027 144

Battery

☆Maxell SR936SW ····· 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".**

☆ ⇨ Please see remarks on.
Part numbers in light letters are not shown in photos.

84. 3 Printed in Japan

TECHNICAL GUIDE

SEIKO

QUARTZ

CAL. 7A38A

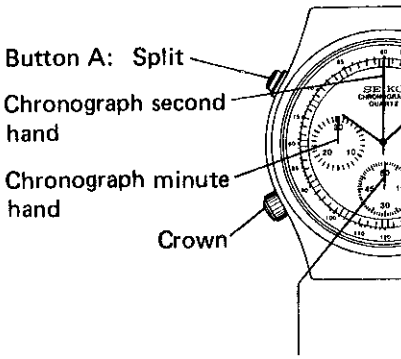
CONTENTS

I. SPECIFICATIONS

Item \ Cal. No.		7A38A
Time indication		Hour, minute and small second hands
Stopwatch function		Minute, second, and 5/100 second
Additional mechanism		• Calendar function (day and date) • Electronic circuit reset switch • Train wheel setting device • Battery life indicator • Chronograph hands trial run function • Chronograph hands resetting function • Counter function
Loss/gain		Monthly rate at normal temperature range: less than 15 seconds
Movement size	Outside diameter	ϕ31.1 mm
	Casing diameter	ϕ29.0 mm
	Height	4.4 mm without battery
Regulation system		Rotary step switch (1 step = 0.26 sec./day)
Measuring gate by quartz tester		Use the 10-second gate.
Battery		Maxell SR936SW, U.C.C. 394 Battery life is approximately 2 years. Voltage: 1.55V
Jewels		15 jewels

II. DESIGNATION AND OPERA

1. Names of the parts and their funct



Crown Operation:

Normal position: Free

1st click:

- Day and date setting

  Day setting: Turn the crown clock

  Date setting: Turn the crown coun

  Be careful not to press any button

- Counter

  The chronograph hands can be us

- Chronograph hands resetting

  To reset the chronograph hands,

- Remaining time measurement

  Have the hands start from the des

  seen.

2nd click: Time setting

By turning the crown clockwise c

advanced respectively.

2. When the chronograph hands are

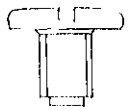
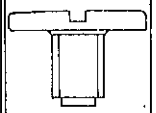
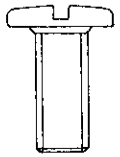
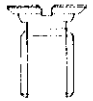
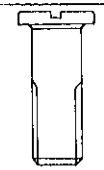
Install a battery with the crown pulle
to the 1st click position.

Check the movement of the chrono
hands.

They are not running.

They are runn

III. LIST OF THE SCREWS USED

Shape	Part No.	Name	Shape	Part No.	Name
	022 424	Train wheel bridge screw (2 pcs.) Chronograph minute bridge screw (1 pc.) Chronograph 5/100 second bridge screw (1 pc.) Coil block screw (4 pcs.) Setting lever spring screw (1 pc.)		022 341	Chronograph second bridge screw (3 pcs.)
				022 286	Antimagnetic shield plate screw (5 pcs.) Battery connection (+) screw (2 pcs.)
	022 745	Date dial guard screw (3 pcs.)		022 235	Dial screw (2 pcs.)

IV. DISASSEMBLING, REASSEM

Disassembling procedures Figs.: (1) →

Reassembling procedures Figs.: (72) →

Lubricating: Moebius A

SEIKO Watch Oil S-

1. Hands ~ Hour wheel

(1) Hour, minute, and chronograph second hands

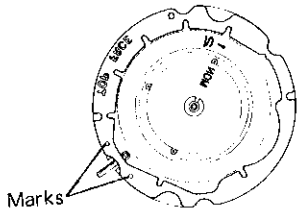
Remarks on reassembling
Set the chronograph hands exactly on a graduation.

(4) Chronograph minute hand

(5) Dial screw (2 pcs.)

(7) Dial sheet

Remarks on reassembling
Set the dial sheet so that the crown is positioned between the two marks of the dial sheet.



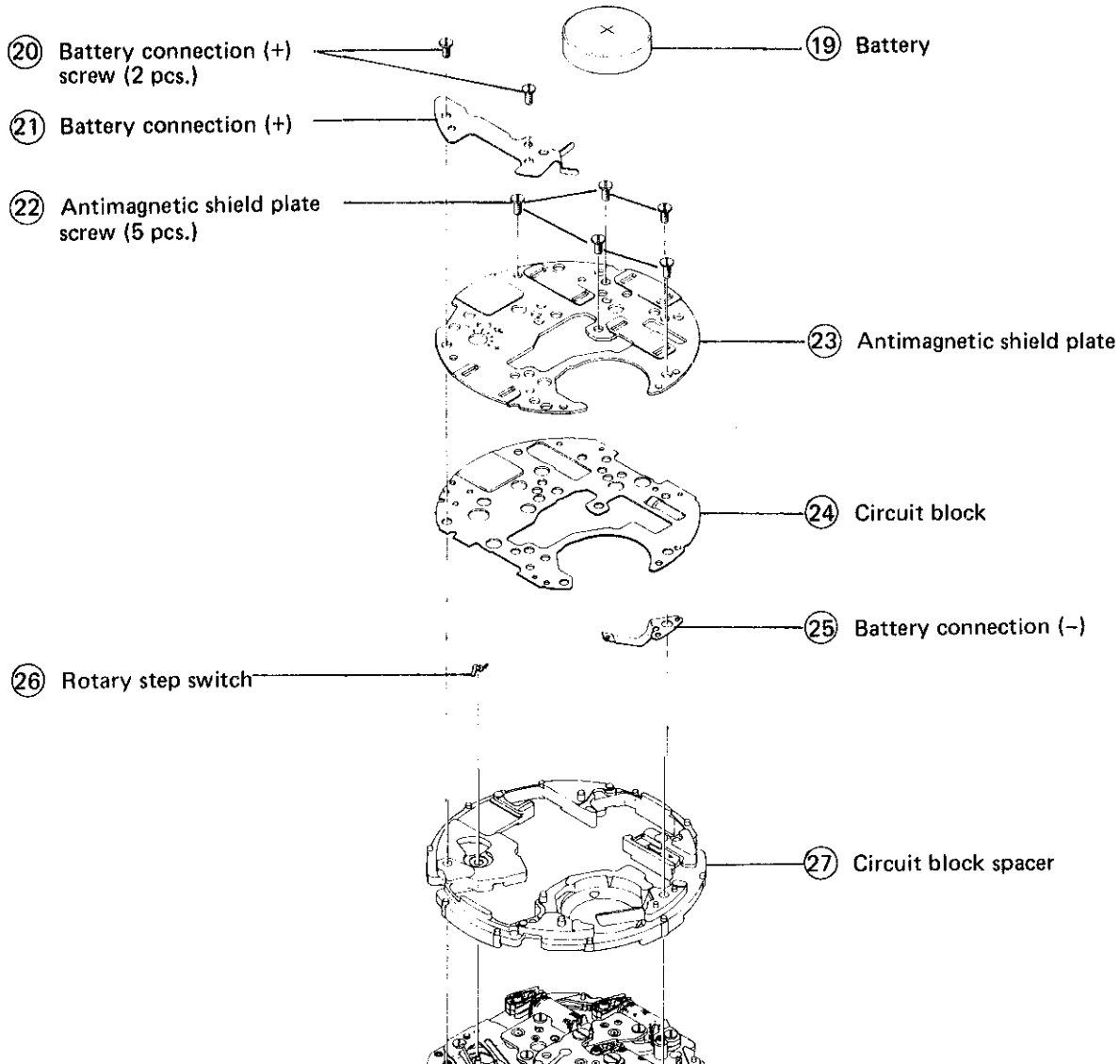
(12) Da

(14) Day and date driving wheel

(15) Intermediate wheel for calendar correction

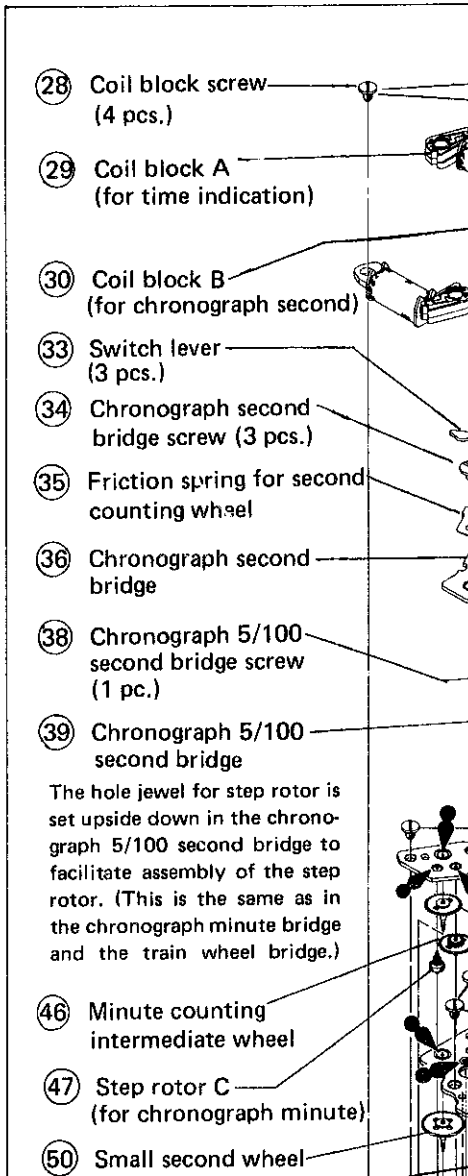
(16) Calendar corrector wheel

2. Battery ~ Circuit block spacer

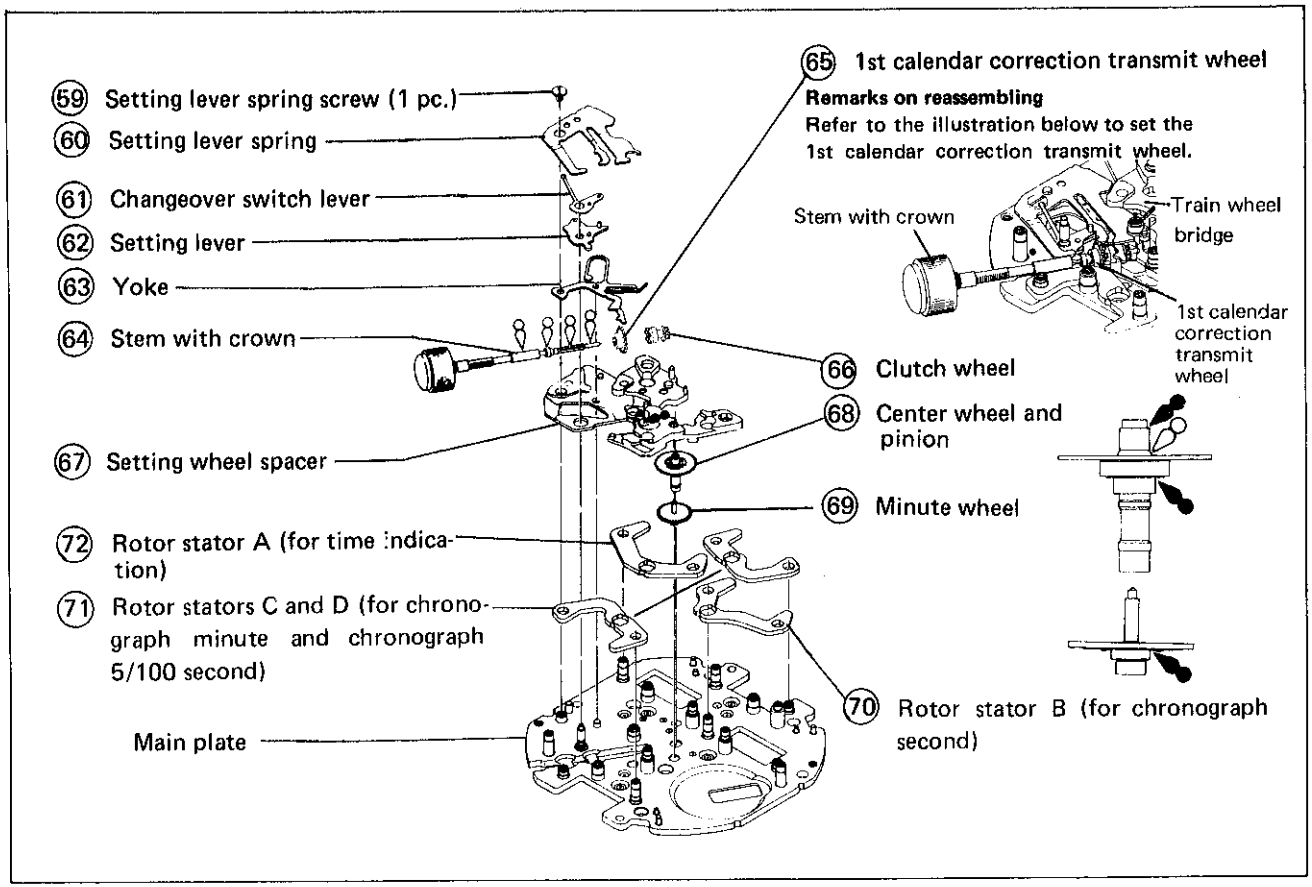


3. Coil block screw ~ Intermediate minute

There are many kinds of bridges, wheels a
take, referring to the chart on page 7 for



4. Setting lever spring screw ~ Rotor stator A



● Setting position of the gear train