SEIKO

(Revised issue)

Catalog No. 71-2

Cal. 7019A

Characteristics

Casing diameter: 27.00 ϕmm
Maximum height: 4.85 mm
Vibrations per hour: 21,600
Automatic winding with sweep second
Calendar (day & date)
Instant setting device for day & date calendar
Bilingual change-over system for day of week
"Diashock" Shock Resistant Device
"Diafix" Oil Lubrication Device

112021

224007

225005

231007

241010

251013

271007

383005

384007

436001

015541

015551

011221

014417

☆354020

☆354022

☆357003

☆998003

☆999003

☆801008
☆801010

802005

808005

719001

720001

720002

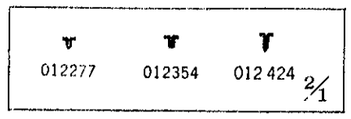
868003

☆870011
☆870014

873004

963001

☆884005
☆884008
☆884009
☆884013



012277 012354 012424 2/1

☆ ⇨ Please see remarks on the next page.
As for all other parts not shown here, please refer to the basic calibre
(Cal. No. **7005A** 17 J Catalog No. 70-05-1 Green page).

Calibre No. **7019A**	Jewels **21j**	Style Name
⇨ Basic Calibre **7005A** 17 J Catalog No. 70-05-1		

PART NO.	LIST OF MATERIALS
112021	**Barrel & train-wheel bridge**
122004	Center wheel bridge
161004	Pallet cock
171022	Balance cock
201024	Complete barrel with arbor & mainspring
224007	**Center wheel & pinion with cannon pinion**
225005	**Cannon pinion**
231007	**Third wheel & pinion**
241010	**Sweep second wheel & pinion**
251013	**Escape wheel & pinion**
261006	Minute wheel
271007	**Hour wheel**
282003	Clutch wheel
285013	Ratchet wheel
301009	Jewelled pallet fork & staff
310020	Balance complete with stud
315008	Balance staff
331005	Roller with jewel
341007	Regulator
345007	Stud holder
☆**354020** / ☆**354022** / ☆**357003**	**Winding stem**
381004	Click
383005	**Setting lever**
384007	**Yoke (Clutch lever)**
388003	Setting lever spring
☆397003	Lever for unlocking stem
399006	Casing clamp
436001	**Lower end-piece for 3rd & escape wheel**
☆**998003**	**Indicator wheel**
☆**999003**	**Indicator wheel spring**
014293	Diashock upper frame
014294	Diashock lower frame
014295	Diashock hole jewel with frame
011220	Diashock cap jewel
014217	Diashock spring
015541	**Diafix upper hole jewel with frame for 3rd wheel**
015551	**Diafix upper hole jewel with frame for escape wheel**
011221	**Diafix cap jewel**
014417	**Diafix spring**
509004	Oscillating weight with ball-bearing
511002	First reduction wheel
514002	Second reduction wheel
828002	Oscillating weight arbor
831001	Pawl lever
836002	First reduction wheel holder
556004	Date finger
☆**801008** / ☆**801010**	**Date dial**
802005	**Date driving wheel**
808005	**Date dial guard**
810002	Date jumper
817004	Intermediate date wheel
719001	**Day corrector**
720001	**Day corrector spring (A)**
720002	**Day corrector spring (B)**
868003	**Day finger**

PART NO.	LIST OF MATERIALS
☆**870011** / ☆**870014**	**Day star with dial disk**
873004	**Day jumper**
963001	**Snap for day star with dial disk**
☆**884005** / ☆**884008** / ☆**884009** / ☆**884013**	**Holding ring for dial**
012123	Stud screw
012277	**Lower end-piece screw for 3rd & escape wheel**
012354	**Date driving wheel screw**
012354	**Date dial guard screw**
012354	**Day corrector screw**
012415	Bridge screw
012417	Pallet cock screw
012419	Casing clamp screw
012424	**Center wheel bridge screw**
012424	**Setting lever spring screw**
012424	**Screw for day corrector spring (B)**
012539	Second reduction wheel screw
012736	Day jumper screw
012919	Ratchet wheel screw
011715	Upper hole jewel for center wheel
011146	Lower hole jewel for center wheel
011651	Lower hole jewel for 3rd wheel
011611	Lower hole jewel for center wheel
011505	Upper hole jewel for pallet
011505	Lower hole jewel for pallet
011162	Upper hole jewel for 1st reduction wheel
011151	Lower hole jewel for 1st reduction wheel
013009	Tube for bridge screw
013011	Tube for day corrector screw
013186	Tube for pallet cock screw (long)
013197	Tube for 2nd reduction wheel screw
013198	Tube for pallet cock screw (short)
013199	Tube for date driving wheel screw
013975	Eccentric dial pin

☆ ⇨ Please see remarks on the next page.
Items in light letters are not shown in photos; those parts are interchangeable with the basic calibre
(Cal. No. **7005A** 17 J Catalog No. 70-05-1 Green page).

Calibre No. **7019A**	Jewels **21 j**	Style Name
⇨ Basic Calibre **7005A** 17J Catalog No. 70-05-1		

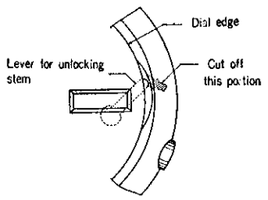
Remarks:

Winding stem ——— Refer to the shapes of the photographs on the front page. ———

☆ 354020 ····· **Long** winding stem (Thread is provided only on the end of the crown portion.)
☆ 354022 ····· **Short** winding stem (Thread is provided completely from the end of the crown portion to the knot which functions as a stopper for the crown.)
☆ 357003 ····· Used only for the models with rotating dial ring.

Lever for unlocking stem

☆ 397003 ····· Used for the one-piece or square type waterproof case.
Adjust the tail length of the lever for unlocking stem by cutting the tail may not touch the case and project over the dial for pushing the lever (Refer to the diagram on the right).



Indicator wheel (☆ 998003)
Indicator wheel spring (☆ 999003) ····· Used only for the models with rotating dial ring.

Date dial

☆ 801008 (Black figures on white background)
☆ 801010 (White figures on black background) ····· Used when the crown is located at **4** o'clock and the date frame at **3** o'clock.

If the date dial is required in any other type, specify ① Cal. No. ② the crown position ③ the date frame position and ④ the dial No.

Day star with dial diak

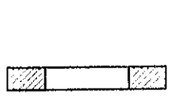
☆ 870011 ····· English ⟷ Japanese, Black figures on white background
☆ 870014 ····· English ⟷ Japanese, White figures on black background

These day star with dial disks are used when the crown is located at **4** o'clock and the day frame at **3** o'clock.
If the day star with dial disk is required in any other type, specify the number printed on the disk.

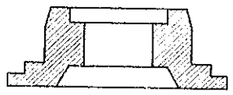
Holding ring for dial ——— There are four types of holding ring for dial. Select the suitable one by the following procedures after referring to the sectional shapes in the lower diagram. ———

☆ 884005 (Refer to fig. 1) ····· Used only for the one-piece waterproof case.
☆ 884008 (Refer to fig. 2) ····· Used for the screw back or snap back waterproof case with the dial of 27.50mm ~ 28.50$^{\phi}$mm external diameter.
☆ 884009 (Refer to fig. 2) ····· Used for the screw back or snap back waterproof case with the dial of 29.50mm ~ 30.50$^{\phi}$mm external diameter.
☆ 884013 (Refer to fig. 3) ····· Used only for models with rotating dial ring.

If the parts number of the holding ring for dial is unknown or when ordering a holding ring for dial other than the above-mentioned ones, specify ① Cal. No. ② the dial No. and ③ the case No.


〔Fig. 1〕


〔fig. 2〕


〔fig. 3〕

7019A

1) Specifications

Casing diameter	27.00mm
Height	4.85mm
Vibrations per hour	21,600
Automatic winding	
Calendar (Day and date, Bilingual change-over mechanism for day indication; crown revolving system date correction; push-type day correction)	

2) Features

Bilingual change-over mechanism for day indication and push-type day correcting device are newly added to the basic caliber 7005A. The conventional diafix spring has a diashock-type-spring, which is easily handled and also has stability.

3) Disassembling, Reassembling

Disassemble the watch according to Fig. (1) to (57). For disassembling from (25) to (49), refer to procedures from (15) to (39) of 7005A.

Difference of the train wheel between 7019A and 7005A.

7019A uses Diafix on the third wheel and pinion and the escape wheel and pinion.

4) Lubrication

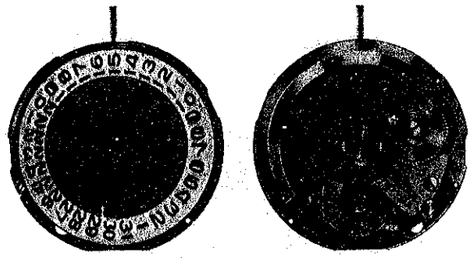
Colored symbols printed on the figures indicate the types of oil, quantities to be applied, and lubrication points.

Types of oil	Quantity
Moebius Synt-A-Lube	Sufficient quantity
Seiko watch oil S-4	Normal quantity
	Extremely small quantity

5) Précautions on Handling the Watch

Refer to 7005A for lubricating the date correcting, the hand setting, the assembling of the oscillating weight, the automatic winding mechanism and the train wheel, and so forth.

Crown: Normal position — Free condition (Fig. 1)
First click — Date correction (revolving system) (Fig. 2)
Second click — Hand setting (Fig. 3)
Pushing — Tip of setting lever revolves the day corrector, forwarding teeth of the day star one by one (Fig. 4)



Movement

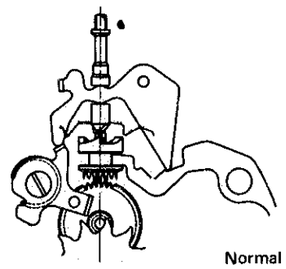


Fig. 1 Normal position

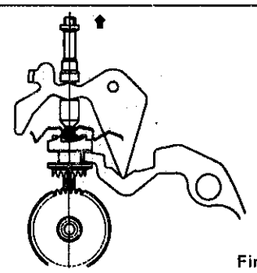


Fig. 2 First click

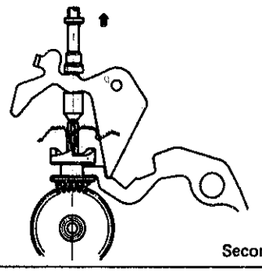


Fig. 3 Second click

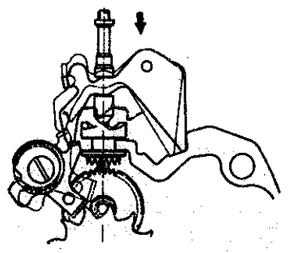
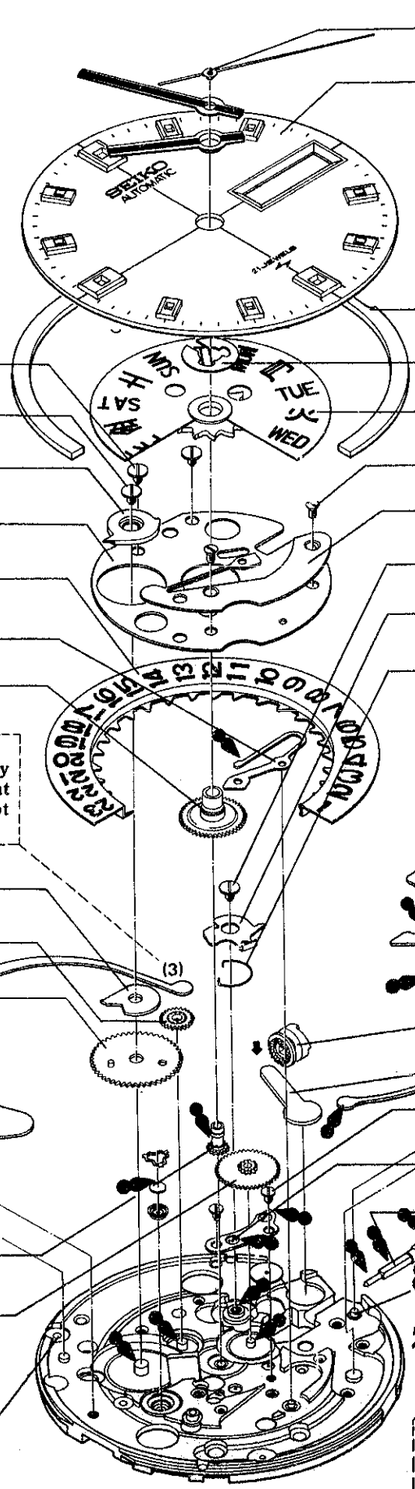


Fig. 4 Pushing

7019A CALENDAR AND SETTING MECHANISM

Note:
After setting the hour, minute, and second hands, check on possible rubbing of each hand.

Note:
After setting the snap for day star with dial disk, check on conditions of day and date corrections and the day forwarding condition.



1 Hour, minute and second hands
2 Dial

Note:
Remove the dial by gradually and horizontally raising it with tweezers or a driver tip. When assembling the dial, push it in horizontally. A warp or bend of the snap for day star causes malfunctioning of the day star.

3 Holding ring for dial
4 Snap for day star with dial disk
5 Day star with dial disk
6 Day jumper screws (2 pcs)
7 Day jumper
10 Date dial guard screws (2 pcs)
8 Date driving wheel screw
9 Day finger
11 Date dial guard
12 Date dial
13 Date jumper
14 Hour wheel
20 Day corrector screw
21 Day corrector
22 Day corrector spring (A)
50 Setting lever spring screw
51 Setting lever spring
53 Setting lever

Note:
Be careful not to apply excessive force so that the spring should not become worn.

52 Yoke
55 Clutch wheel
Lever for unlocking stem

Note:
Used on the one-piece water-resistant case, the winding stem can be pulled out by pressing the arrow-marked portion.

15 Date finger
16 Intermediate date wheel
17 Date driving wheel
18 Day corrector spring screw
19 Day corrector spring (B)
(1) (2) (3)

Note:
Assembling order of the day corrector spring (B) is (1), (2), and (3).

56 Lower end-piece screw for third wheel (2 pcs)
57 Lower end-piece for third escape wheel
54 Winding stem
Setting lever axle

Note:
Since the setting lever axle is driven in the plate, it cannot be pulled out.

24 Cannon pinion
23 Minute wheel
Eccentric dial pin

Note:
When assembling or disassembling the dial, turn the eccentric dial pin 90°–150°.

Note:
When a screw back case or snap back case is used, a part of the setting lever can be observed at the second click of the crown. Pull out the winding stem by pressing this portion.