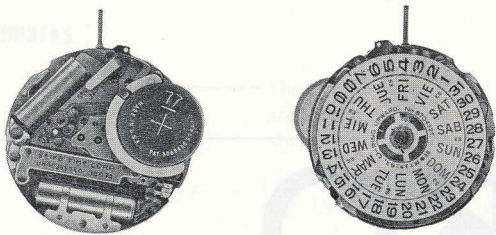
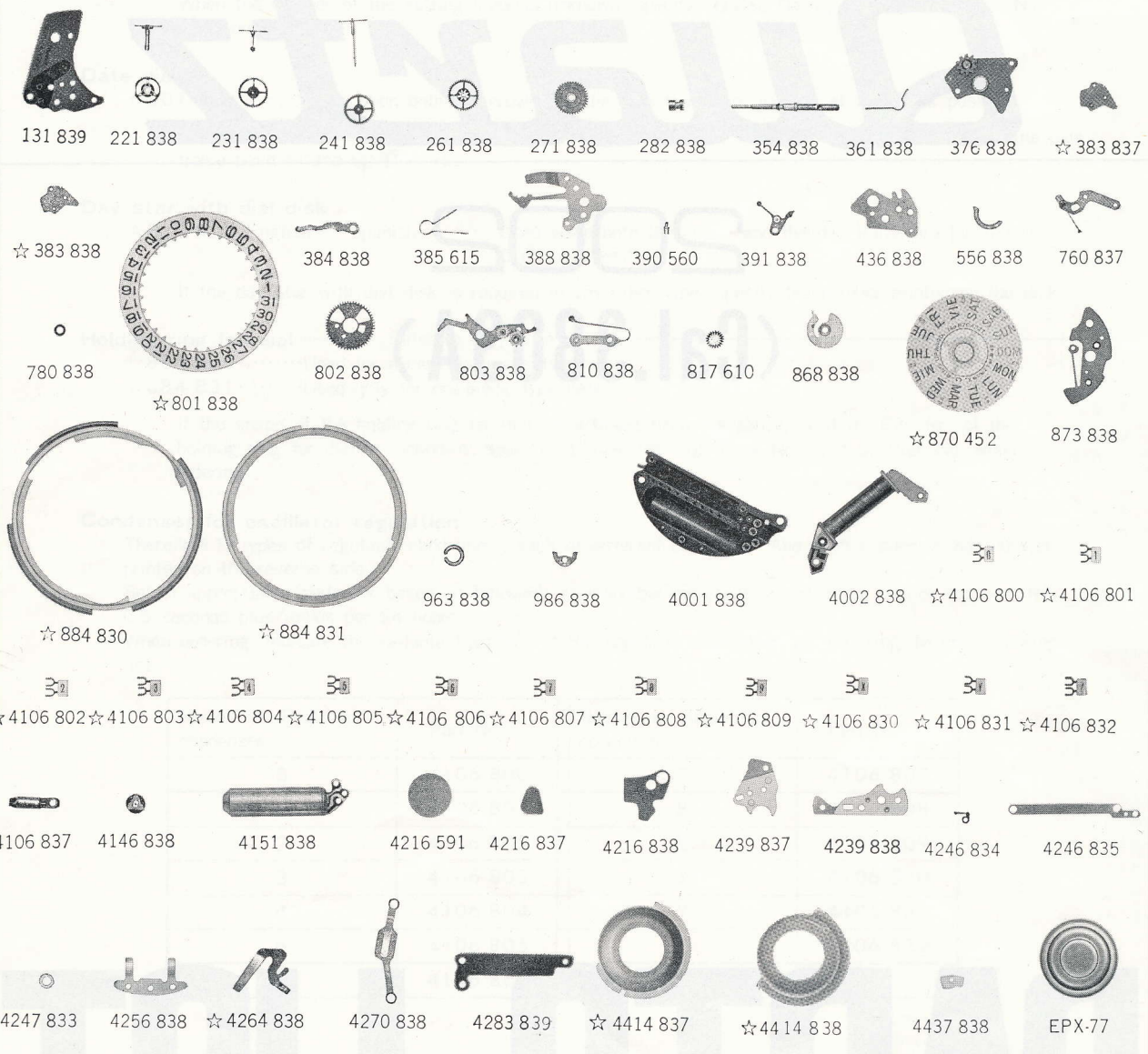


Calibre No. <b>3803A</b>	Jewels <b>7j</b>	Style Name <b>Quartz 2002</b>
 <p data-bbox="223 622 370 654">Cal. 3803A</p>		<p data-bbox="798 338 1081 369"><b>Characteristics</b></p> <p data-bbox="828 380 1292 409">Casing diameter : 25.60 <math>\phi</math> mm</p> <p data-bbox="828 405 1292 434">Maximum height : 5.30 mm</p> <p data-bbox="828 430 1323 459">Frequency of quartz crystal oscillator : 16,384 Hz</p> <p data-bbox="899 454 1323 483">(Hz = Hertz ..... Cycle per second)</p> <p data-bbox="828 479 1323 508">Driving system : Step motor system</p> <p data-bbox="828 504 1065 533">Regulation system :</p> <p data-bbox="828 528 1398 560">Method of the replacement of the condenser Sweep second</p> <p data-bbox="828 555 1096 584">Second-setting device</p> <p data-bbox="828 580 1096 609">Calendar (day &amp; date)</p> <p data-bbox="828 604 1398 633">Instant setting device for day &amp; date calendar</p> <p data-bbox="828 629 1383 658">Bilingual change-over system for day of week</p>
 <p data-bbox="166 828 1406 862">131 839 221 838 231 838 241 838 261 838 271 838 282 838 354 838 361 838 376 838 ☆ 383 837</p> <p data-bbox="158 952 1383 985">☆ 383 838 384 838 385 615 388 838 390 560 391 838 436 838 556 838 760 837</p> <p data-bbox="173 1086 1383 1120">780 838 ☆ 801 838 802 838 803 838 810 838 817 610 868 838 ☆ 870 452 873 838</p> <p data-bbox="189 1153 1398 1187">☆ 884 830 ☆ 884 831 963 838 986 838 4001 838 4002 838 ☆ 4106 800 ☆ 4106 801</p> <p data-bbox="136 1467 1375 1500">☆ 4106 802 ☆ 4106 803 ☆ 4106 804 ☆ 4106 805 ☆ 4106 806 ☆ 4106 807 ☆ 4106 808 ☆ 4106 809 ☆ 4106 830 ☆ 4106 831 ☆ 4106 832</p> <p data-bbox="143 1601 1383 1635">4106 837 4146 838 4151 838 4216 591 4216 837 4216 838 4239 837 4239 838 4246 834 4246 835</p> <p data-bbox="143 1803 1383 1836">4247 833 4256 838 ☆ 4264 838 4270 838 4283 839 ☆ 4414 837 ☆ 4414 838 4437 838 EPX-77</p> <p data-bbox="234 1982 1315 2027">022 270 022 282 022 286 022 373 022 377 022 446 022 468 022 491 022 558 022 753 022 761 <math>\frac{2}{1}</math></p>		

☆⇨ Please see remarks on the next reverse page.

<b>Calibre No.</b> <h1 style="text-align: center;">3803A</h1>	<b>Jewels</b> <h2 style="text-align: center;">7j</h2>	<b>Style Name</b> <h1 style="text-align: center;">Quartz 2002</h1>
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PART NO.	LIST OF MATERIALS	PART NO.	LIST OF MATERIALS
131 839	Third wheel bridge	4247 833	Insulating ring for condenser of battery protection
221 838	Center wheel & pinion	4256 838	Crystal holding spring
231 838	Third wheel & pinion	☆4264 838	Battery connection for plus terminal
241 838	Sweep second wheel & pinion	4270 838	Battery connection
261 838	Minute wheel	4283 839	Circuit holder
271 838	Hour wheel	☆4414 837	Insulating cap for battery
282 838	Clutch wheel	☆4414 838	
354 838	Winding stem	4437 838	Insulating cover of circuit connection
361 838	Second-setting lever spring	EPX- 77	Silver oxide battery
376 838	Hour wheel guard with intermediate wheel for day correction	011 140	Lower hole jewel for sweep second wheel
☆383 837	Setting lever	011 406	Upper hole jewel for 3rd wheel
☆383 838		011 406	Upper hole jewel for sweep second wheel
384 838	Yoke (Clutch lever)	011 411	Upper hole jewel for step rotor
385 615	Yoke spring (Clutch lever spring)	011 411	Lower hole jewel for step rotor
388 838	Setting lever spring	022 270	Condenser screw for oscillator regulation
390 560	Setting lever axle	022 270	Crystal lead terminal screw
391 838	Second-setting lever	022 282	Date driving wheel screw
436 838	Lower end-piece for 3rd wheel	022 286	Coil block screw
556 838	Date finger	022 286	Rotor stator screw
760 837	Second jumper	022 373	Hour wheel guard screw
780 838	Insulating seat for battery connection	022 373	Second jumper screw
☆801 838	Date dial	022 373	Circuit block screw
802 838	Date driving wheel	022 373	Screw for condenser of battery protection
803 838	Setting wheel lever complete	022 373	Screw for insulating cover of circuit connection
810 838	Date jumper	022 377	Third wheel bridge screw
817 610	Intermediate date wheel	022 446	Setting wheel lever screw
868 838	Day finger	022 468	Setting lever spring screw
☆870 452	Day star with dial disk (English ↔ Spanish)	022 491	Circuit holder screw
873 838	Day jumper	022 491	Crystal holding spring screw
☆884 830	Holding ring for dial	022 558	Lower end-piece screw for 3rd wheel
☆884 831		022 753	Day jumper screw
963 838	Snap for day star with dial disk	022 761	Dial screw
986 838	Day-date corrector wheel rocking lever	023 111	Tube for 3rd wheel bridge screw
4001 838	Circuit block	023 842	Date jumper pin
4002 838	Coil block		
☆4106 800	Condenser for oscillator regulation		
☆4106 801			
☆4106 802			
☆4106 803			
☆4106 804			
☆4106 805			
☆4106 806			
☆4106 807			
☆4106 808			
☆4106 809			
☆4106 830			
☆4106 831			
☆4106 832	Condenser of battery protection		
4106 837	Step rotor		
4146 838	Crystal oscillator		
4151 838	Insulator for battery connection		
4216 591	Insulator A for circuit		
4216 837	Insulator B for circuit		
4216 838	Rotor stator A		
4239 837	Rotor stator B		
4239 838	Terminal for reset connection		
4246 834	Ground terminal		
4246 835			

☆⇒ Please see remarks on the reverse page.  
 Items in light letters are not shown in photos.

Calibre No. <b>3803A</b>	Jewels <b>7j</b>	Style Name <b>Quartz 2002</b>
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**Remarks :**

**Setting lever** — There are two types of setting levers. They are used according to the structure of cases and the dial diameter. Select a suitable one by the following procedures referring to the shapes indicated in the photos. \_\_\_\_\_

- ☆383 837..... { ① Used for one-piece type case with round dial of diameter 27.5~28.5mm.
- { ② Used for square type case with round dial of diameter 26.5~27.5mm.

- ☆383 838..... { ① Used for screw type case with round dial of diameter 26.5~28.5mm.
- { ② Used for one-piece type case with round dial of diameter 26.5mm.
- { ③ Used for square type case with round dial of diameter 25.5mm.

When the number of the setting lever is unknown, specify ① Cal. No. ② Case No. ③ Dial No. when ordering.

**Date dial**

- ☆801 838.....Used when both the crown and the date frame are located at **3** o'clock position.

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 Dial. No.

**Day star with dial disk**

- ☆870 452 (English ↔ Spanish) .....Used when both the crown and the day frame are located at **3** o'clock position.

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

**Holding ring for dial** —

Refer to shapes in photos. \_\_\_\_\_

- ☆884 830.....Used for except one-piece type case.
- ☆884 831.....Used only for one-piece type case.

If the shape of the holding ring for dial is different from the above, or if the Part No. of the holding ring for dial is unknown, specify ① Cal. No. ② Case No. and ③ Dial. No. when ordering.

**Condenser for oscillator regulation**

There are 13 types of regulator condensers, each of different capacity. And each condenser has number printed on the reverse side.

Select appropriate condenser based on following; each number represents an adjusting rate of approximately 0.5 seconds plus/minus per 24 hours.

When ordering, indicate the suitable Part No. of the regulator condenser by referring to the following list.

Number on Regulator condenser	Part No.	Number on Regulator condenser	Part No.
0	4106 800	7	4106 807
1	4106 801	8	4106 808
2	4106 802	9	4106 809
3	4106 803	X	4106 830
4	4106 804	Y	4106 831
5	4106 805	Z	4106 832
6	4106 806		

**Battery connection for plus terminal**

- ☆4264 838.....Used for watches except one-piece type case.

**Insulating cap for battery**

- ☆4414 837.....Used for screw type case.
- ☆4414 838.....Used for one-piece type case.