

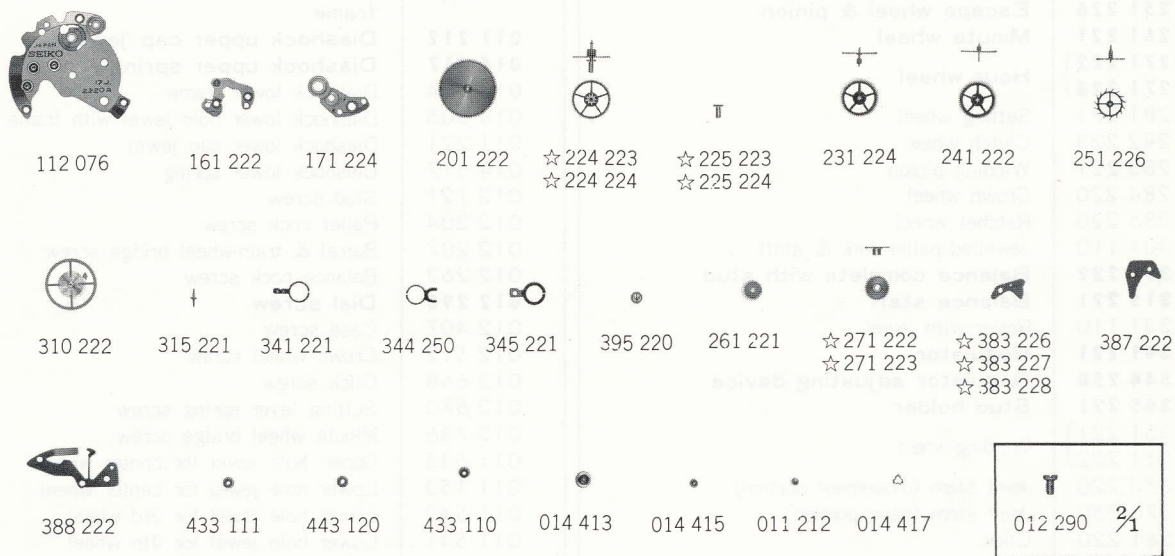
|   |       |        |     |            |       |
|---|-------|--------|-----|------------|-------|
| Calibre No.                                   | 2220A | Jewels | 17j | Style Name | A0555 |
| ⇨ Basic Calibre 2202A 21J Catalog No. 22-02-1 |       |        |     |            |       |



Cal. 2220A

## Characteristics

Casing diameter : 17.20  $\phi$  mm  
 Maximum height : 3.30 mm  
 Vibrations per hour : 28,800  
 Non-automatic  
 Micro-adjustor  
 "Diashock" Shock Resistant Device



## Remarks : — continued —

### Setting lever

There are three types of setting levers. They are used according to the structure of cases and types of winding stems. Select a suitable one by the following procedures referring to the shapes indicated in the photos and Fig. 1.

In case of a one-piece water-resistant case, if an incorrect setting lever for dial diameter is used the winding stem can not be pulled out or the movement cannot be set in the case. Attention must be paid to this point (Refer to Fig. 2, Example of suitable setting lever).

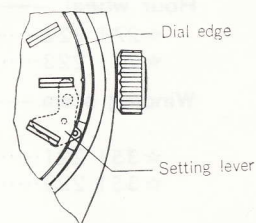
- ☆ 383 226.....Used for watch with joint stem, or with ordinary winding stem other than one-piece or square type water-resistant case.
- ☆ 383 227.....Used for one-piece water-resistant case with ordinary winding stem and dial of diameter 17.50~18.00  $\phi$ mm.
- ☆ 383 228.....Used for one-piece water-resistant case with ordinary winding stem and dial of diameter 18.50~19.00  $\phi$ mm.

When parts number of the setting lever is unknown or when ordering setting levers other than the above, specify ① Cal. No., ② number of jewels ③ dial No. and ④ case No.

(Fig. 1)



(Fig. 2)



[Example of suitable setting lever]  
Tail of the setting lever is located between the dial and the case.

SEIKO

|   |  |                       |
|---|--|-----------------------|
| <b>Calibre No.</b><br><h1 style="text-align: center; margin: 0;">2220A</h1> | <b>Jewels</b><br><h1 style="text-align: center; margin: 0;">17j</h1> | <b>Style Name</b><br> |
| ⇨ Basic Calibre <b>2202A</b> 21J Catalog No. 22-02-1                        |  |                       |

| PART NO. | LIST OF MATERIALS                        | PART NO. | LIST OF MATERIALS  |
|----------|--|----------|--|
| 112 076  | Barrel & train-wheel bridge              | 433 110  | Upper hole jewel with frame for escape wheel             |
| 161 222  | Pallet cock                              | 433 111  | Upper hole jewel with frame for 3rd wheel                |
| 171 224  | Balance cock                             | 443 120  | Upper hole jewel with frame for 4th wheel                |
| 201 222  | Complete barrel with arbor & mainspring  | 481 221  | Crown wheel ring   |
| ☆224 223 | Center wheel & pinion with cannon pinion | 491 180  | Dial washer  |
| ☆224 224 |  | 768 220  | Setting lever axle ring                                  |
| ☆225 223 | Cannon pinion                            | 014 413  | Diashock upper frame                                     |
| ☆225 224 |  | 014 415  | Diashock upper hole jewel with frame                     |
| 231 224  | Third wheel & pinion                     | 011 212  | Diashock upper cap jewel                                 |
| 241 222  | Fourth wheel & pinion                    | 014 417  | Diashock upper spring                                    |
| 251 226  | Escape wheel & pinion                    | 014 604  | Diashock lower frame                                     |
| 261 221  | Minute wheel                             | 014 605  | Diashock lower hole jewel with frame                     |
| ☆271 222 | Hour wheel                               | 011 221  | Diashock lower cap jewel                                 |
| ☆271 223 |  | 014 317  | Diashock lower spring                                    |
| 281 221  | Setting wheel                            | 012 121  | Stud screw   |
| 282 223  | Clutch wheel                             | 012 204  | Pallet cock screw  |
| 283 221  | Winding pinion                           | 012 207  | Barrel & train-wheel bridge screw                        |
| 284 220  | Crown wheel                              | 012 263  | Balance cock screw                                       |
| 285 220  | Ratchet wheel                            | 012 290  | Dial screw   |
| 301 110  | Jewelled pallet fork & staff             | 012 407  | Case screw   |
| 310 222  | Balance complete with stud               | 012 512  | Crown wheel screw  |
| 315 221  | Balance staff                            | 012 668  | Click screw  |
| 331 110  | Roller with jewel                        | 012 670  | Setting lever spring screw                               |
| 341 221  | Regulator                                | 012 736  | Minute wheel bridge screw                                |
| 344 250  | Regulator adjusting device               | 011 535  | Upper hole jewel for center wheel                        |
| 345 221  | Stud holder                              | 011 153  | Lower hole jewel for center wheel                        |
| ☆351 221 | Winding stem                             | 011 542  | Lower hole jewel for 3rd wheel                           |
| ☆351 222 |  | 011 541  | Lower hole jewel for 4th wheel                           |
| 372 220  | Joint stem (movement portion)            | 011 528  | Lower hole jewel for escape wheel                        |
| 373 250  | Joint stem (case portion)                | 011 505  | Upper hole jewel for pallet                              |
| 381 220  | Click                                    | 011 505  | Lower hole jewel for pallet                              |
| 382 110  | Click spring                             | 013 014  | Tube for barrel & train-wheel bridge screw (long)        |
| ☆383 226 | Setting lever                            | 013 017  | Yoke spring pin<br>(Tube for setting lever spring screw) |
| ☆383 227 |  | 013 017  | Tube for setting lever spring screw                      |
| ☆383 228 | Yoke (Clutch lever)                      | 013 113  | Tube for barrel & train-wheel bridge screw (short)       |
| 384 220  |  |          |  |
| 385 220  | Yoke spring (Clutch lever spring)        |          |  |
| 387 222  | Minute wheel bridge                      |          |  |
| 388 222  | Setting lever spring                     |          |  |
| 390 221  | Setting lever axle                       |          |  |
| 395 220  | Micro-adjustor                           |          |  |

**Remarks :** Center wheel & pinion with cannon pinion — Measure the total length of cannon pinion —  
 ☆ 224 223.....Using the cannon pinion of 1.64 mm total length (Part No. 225 223)  
 ☆ 224 224.....Using the cannon pinion of 2.01 mm total length (Part No. 225 224)

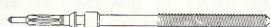
**Cannon pinion** ————— Measure the total length —————  
 ☆ 225 223.....1.64 mm total length  
 ☆ 225 224.....2.01 mm total length

**Hour wheel** ————— Measure the total length —————  
 ☆ 271 222.....1.37 mm total length  
 ☆ 271 223.....1.06 mm total length

**Winding stem** ————— Refer to the photograph on the page of the basic calibre (Catalog No. 22-02-1) and shapes in the lower diagram. —————  
 ☆ 351 221.....**Short** winding stem (Thread is provided completely on the crown portion.)  
 ☆ 351 222.....**Long** winding stem (Thread is provided only on the end of the crown portion.)



☆ 351 221



☆ 351 222

————— continued on front page —————

☆⇨ Please see remarks.

Items in light letters are not shown in photos ; those parts are interchangeable with the basic calibre

(Cal. No. **2202A** 21J Catalog No. 22-02-1 Red page).