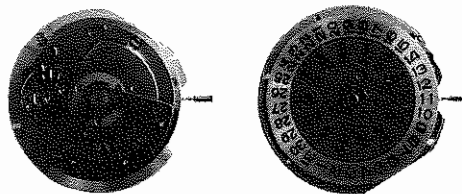


# ORIENT QUARTZ CAL. 46943 and 46924

Representative caliber : Caliber No.  
 46900 : 46943 (21 jewels)  
 46924 (17 jewels)



Cal. No. 46943

## 1. On Cal. 46943 and 46924

Above Cal. 46943 is a rationalized product derived from Cal. 46941, and Cal. 46924 of 46922. The precision and reliability remain completely the same as those of the mother caliber. According to a rationalization, however, the structure has partly been modified. When handling them, refer to this technical manual.

## 2. Movement specifications



| Item                    | 46943   | 46924 |
|-------------------------|---|-------|
| Maximum diameter        | φ 27.40 mm  | ←     |
| Movement drop diameter  | φ 27.00 mm  | ←     |
| Nominal thickness       | 5.44 mm   | ←     |
| Maximum thickness       | 5.74 mm   | ←     |
| Balance wheel frequency | 21,600 cycles/hour (6 vibrations)                                 | ←     |
| Automatic winding       | Claw lever type   | ←     |
| Calendar                | Date (with quick advance by crown)                                | ←     |
|                         | Day (with quick advance by button, selectable out of 2 languages) |       |
| Additional functions    | 3 center hands  | ←     |
|                         | One-side swing adjuster   |       |
|                         | Vibration damper  |       |
| Number of jewels        | 21  | 17    |

\* The movement specifications are subject to change without prior notice.

## ● Exploded view of 46943 movement

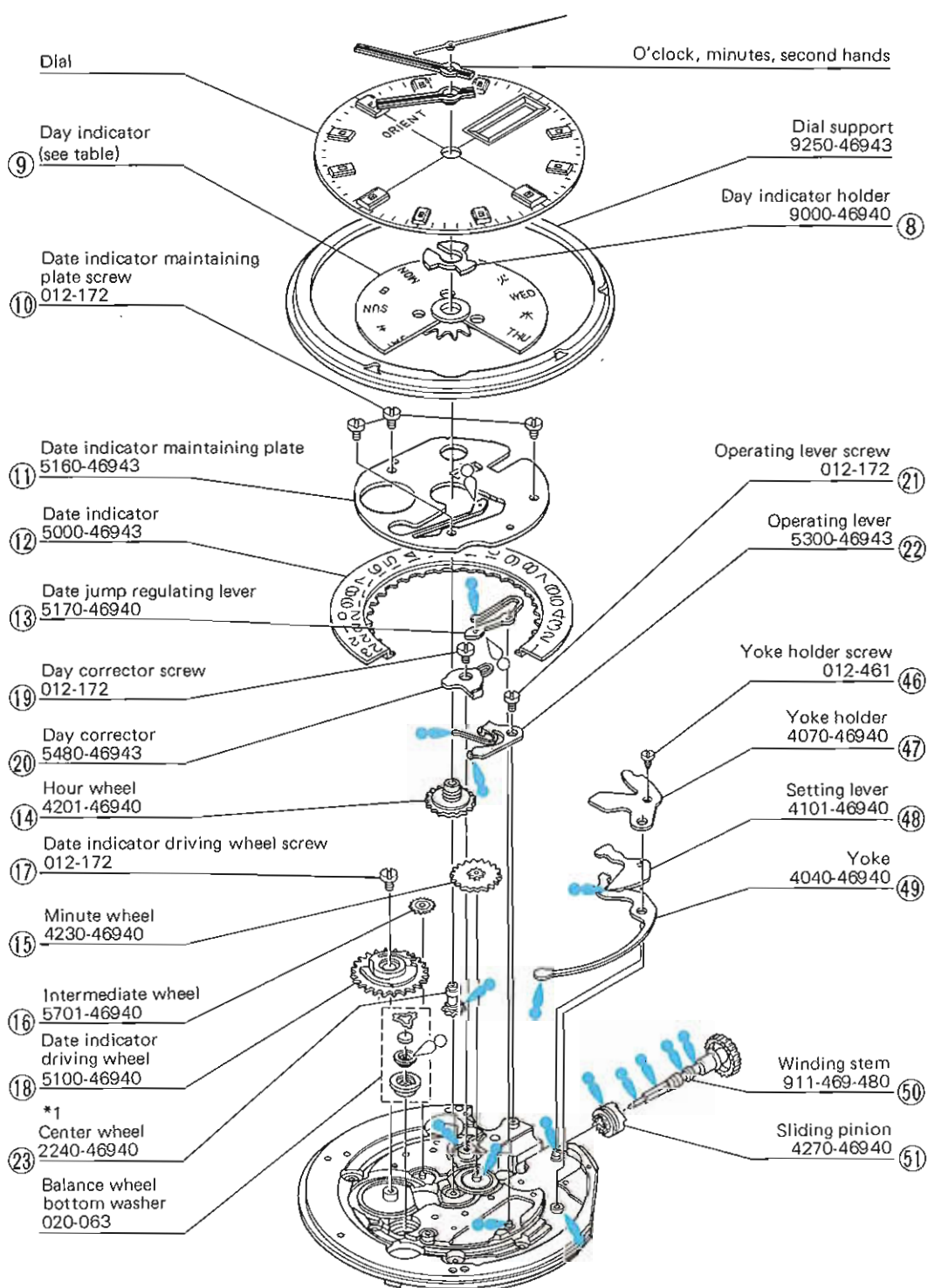
Numbers under part names are part codes.

### Lubrication symbols

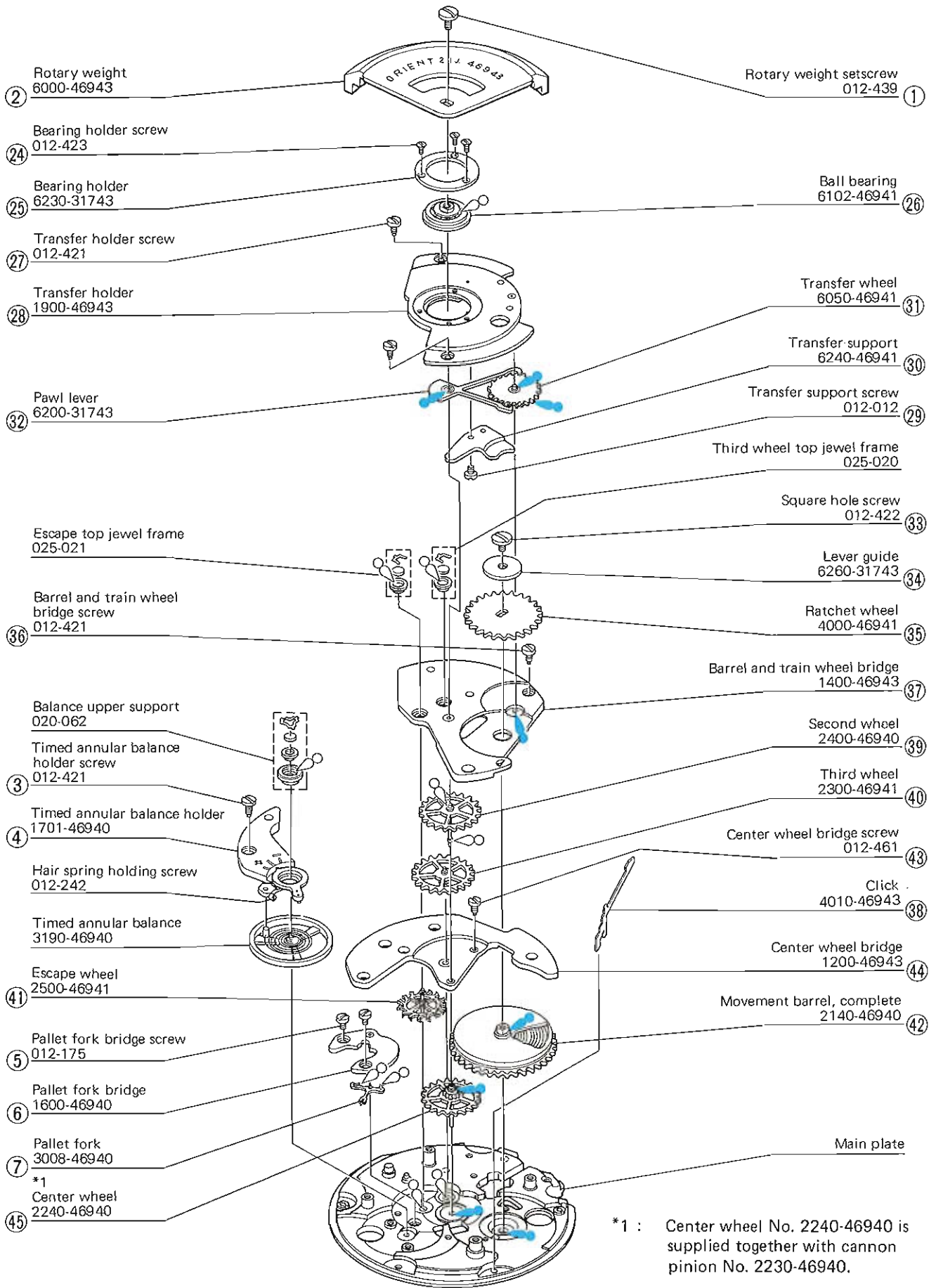
-  Standard volume of Moebius A
-  Standard volume of Moebius grease

### Disassembly and reassembly procedure

- Disassembly : ① → ⑤①
- Reassembly : ⑤① → ①



\*1 Center wheel No. 2240-46940 is supplied together with cannon pinion No. 2230-46940.



\*1 : Center wheel No. 2240-46940 is supplied together with cannon pinion No. 2230-46940.

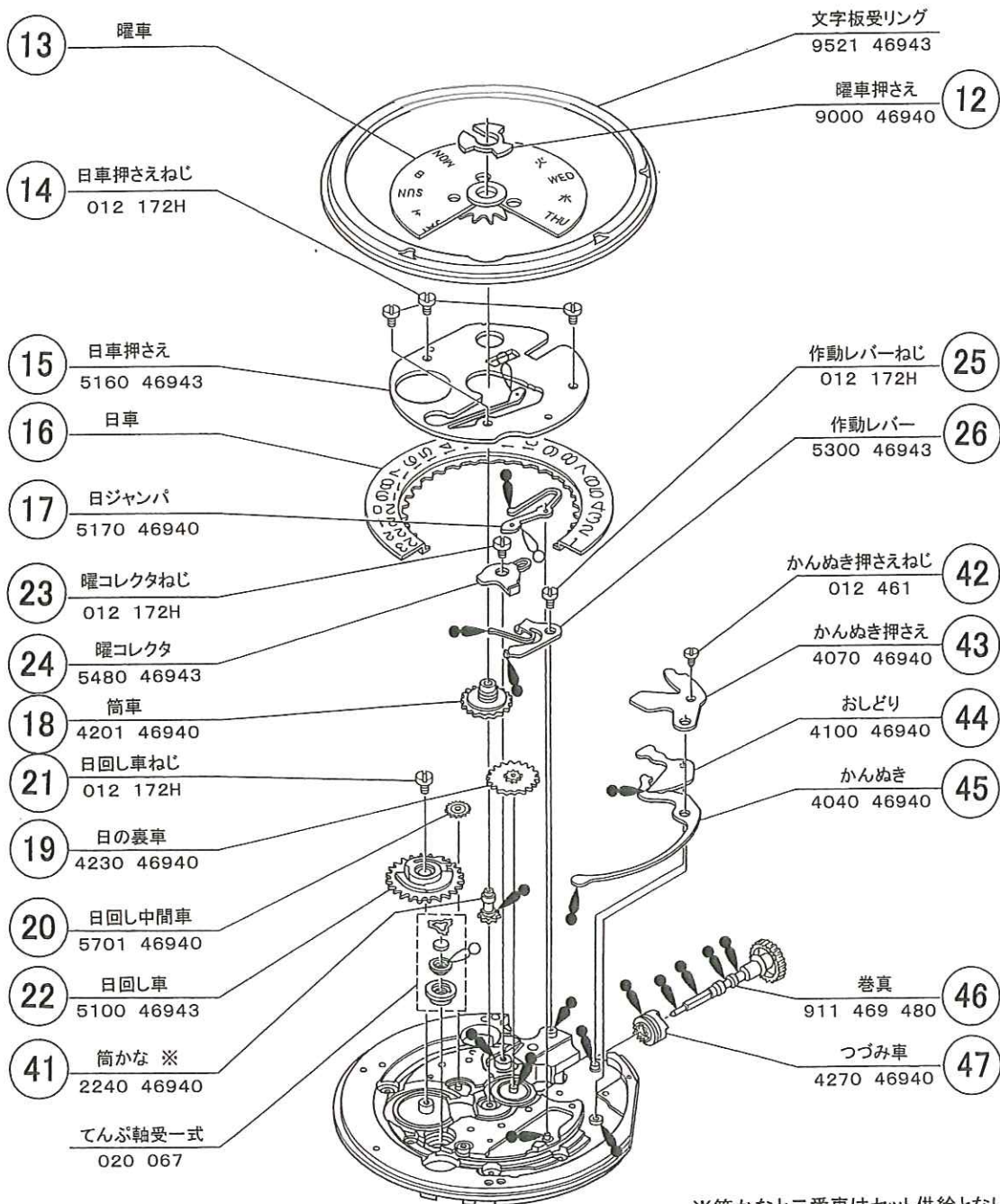
### 3. Precautions in disassembly and reassembly, checkup, etc.

For precautions in disassembly and reassembly, checkup, etc., refer to the technical manuals for Cal. 46000 and Cal. 46120.

# Cal.46943ムーブメント展開図

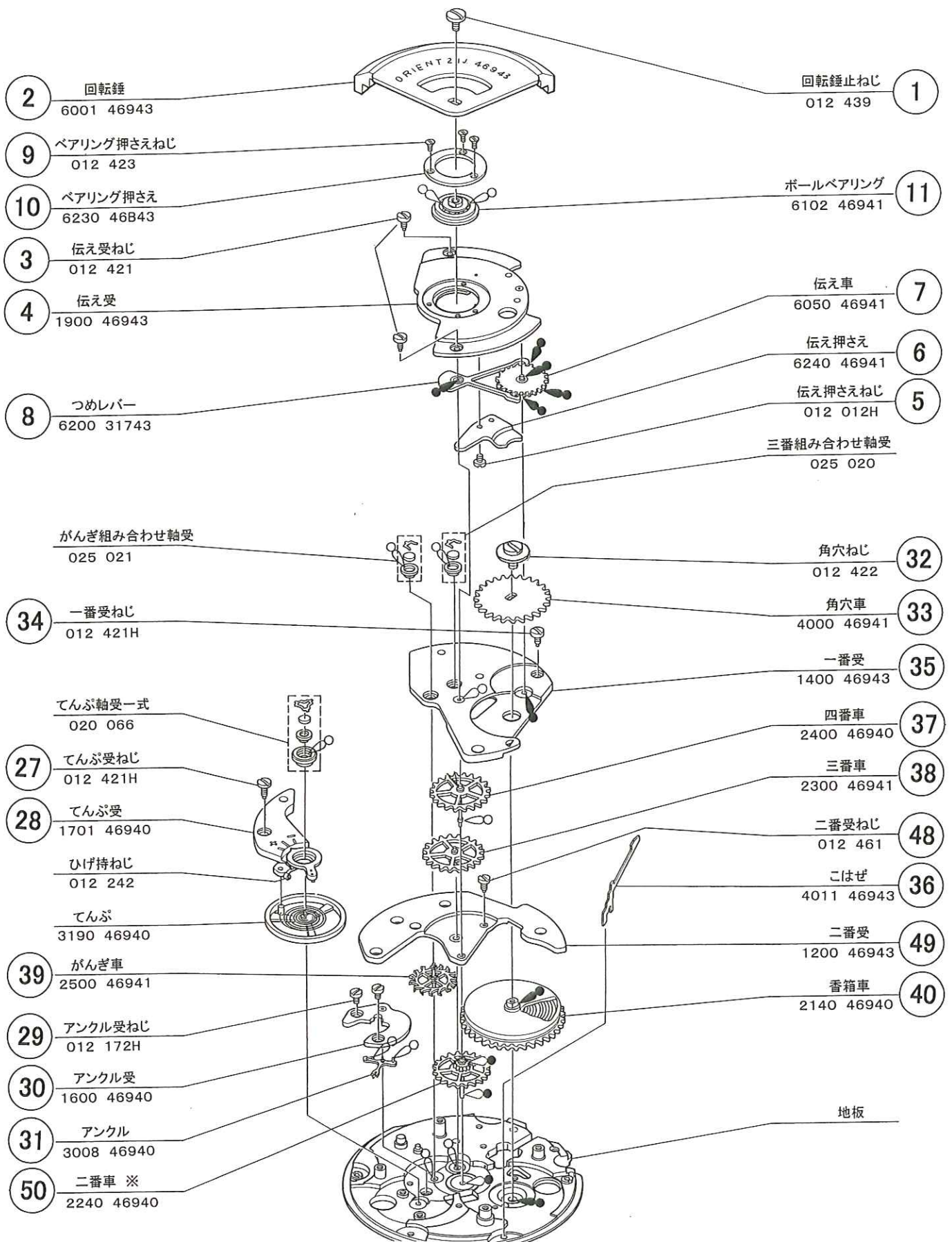
| 注油箇所と油の種類 |                   |
|-----------|-------------------|
|           | メービスグリス標準量        |
|           | メービスA標準量          |
|           | メービスマイクログリスD/5標準量 |

| 分解・組立の手順 |        |
|----------|--------|
| 分解:      | ① ~ ⑤① |
| 組立:      | ⑤① ~ ① |



※筒かなと二番車はセット供給となります。





#### 4. Common parts list

Cal. 55943 and Cal. 55924 use many parts which are common to those for Cal. 46941 and Cal. 46922. When placing an order for parts, refer to the following list and be careful to avoid confusion.

| Part Name                        | 46943              | 46941      | 46924      | 46922      |
|----------------------------------|--------------------|------------|------------|------------|
| Barrel and train wheel bridge    | 1400-46943         | 1400-46941 | 1400-46924 | 1400-46921 |
| Center wheel bridge              | 1200-46943         | 1200-46940 | 1200-46943 | 1200-46940 |
| Pullet fork bridge               | 1600-46940         | ←          | ←          | ←          |
| Timed annular balance holder     | 1701-46940         | ←          | ←          | ←          |
| Transfer holder                  | 1900-46943         | 1900-46941 | 1900-46924 | 1900-46922 |
| Movement barrel, complete        | 2140-46940         | ←          | ←          | ←          |
| Center wheel                     | 2240-46940 *1      | ←          | ←          | ←          |
| Cannon pinion                    |                    |            |            |            |
| Third wheel                      | 2300-46941         | ←          | 2300-46921 | ←          |
| Second wheel                     | 2400-46940         | ←          | ←          | ←          |
| Escape wheel                     | 2500-46941         | ←          | ←          | ←          |
| Pullet fork                      | 3008-46940         | ←          | ←          | ←          |
| Timed annular balance            | 3190-46940         | ←          | ←          | ←          |
| Hair spring holder               | 3210-46940         | ←          | ←          | ←          |
| Hair spring holder wedge         | 3220-31142         | ←          | ←          | ←          |
| Square hole wheel                | 4000-46941         | ←          | ←          | ←          |
| Click                            | 4010-46943         | 4010-46940 | 4010-46943 | 4010-46940 |
| Yoke                             | 4040-46940         | ←          | ←          | ←          |
| Yoke holder                      | 4070-46940         | ←          | ←          | ←          |
| Setting lever                    | 4101-46940         | ←          | ←          | ←          |
| Winding stem                     | 911-469-480        | ←          | ←          | ←          |
| Hour wheel                       | 4201-46940         | ←          | ←          | ←          |
| Minute wheel                     | 4230-46940         | ←          | ←          | ←          |
| Sliding pinion                   | 4270-46940         | ←          | ←          | ←          |
| Date indicator                   | 5000-46940         | ←          | ←          | ←          |
| Date indicator driving wheel     | 5100-46943         | 5101-46940 | 5100-46943 | 5101-46940 |
| Date indicator maintaining plate | 5160-46943         | 5160-46940 | 5160-46943 | 5160-46940 |
| Date jump regulating lever       | 5170-46940         | ←          | ←          | ←          |
| Operating lever                  | 5300-46943         | 5300-46940 | 5300-46943 | 5300-46940 |
| Operating lever spring           | ←                  | 5320-46940 | ←          | 5320-46940 |
| Day corrector                    | 5480-46943         | 5480-46940 | 5480-46943 | 5480-46940 |
| Day advance claw                 | ←                  | 5562-46940 | ←          | 5562-46940 |
| Day jump regulating lever        | ←                  | 5610-46940 | ←          | 5610-46940 |
| Day indicator                    | See separate sheet | ←          | ←          | ←          |
| Intermediate wheel               | 5701-46940         | ←          | ←          | ←          |
| Rotary weight                    | 6000-46943         | 6003-46941 | 6003-46922 | ←          |
| Transfer wheel                   | 6050-46941         | ←          | ←          | ←          |
| Ball bearing                     | 6102-46941         | ←          | ←          | ←          |
| Claw lever                       | 6200-31743         | ←          | ←          | ←          |

\*1. Center wheel and cannon pinion are supplied as a set under center wheel No. 2240-46940.

| Part Name                              | 46943      | 46941           | 46924      | 46922           |
|--|------------|-----------------|------------|-----------------|
| Bearing holder                         | 6230-31743 | ←               | ←          | ←               |
| Transfer support                       | 6240-46941 | 6240-31743 } *2 | 6240-46941 | 6240-31743 } *2 |
| Lever support                          | ←          | 6250-46941 } *2 | ←          | 6250-46941 } *2 |
| Lever guide                            | 6260-31743 | ←               | ←          | ←               |
| Day indicator holder                   | 9000-46940 | ←               | ←          | ←               |
| Dial support                           | 9250-46943 | 9252-46940      | 9250-46943 | 9252-46940      |
| Barrel and train wheel holder screw    | 012-421    | ←               | ←          | ←               |
| Center wheel bridge screw              | 012-461    | ←               | ←          | ←               |
| Pallet fork bridge screw               | 012-175    | ←               | ←          | ←               |
| Timed annular balance holder screw     | 012-421    | ←               | ←          | ←               |
| Ratchet hole screw                     | 012-422    | ←               | ←          | ←               |
| Hair spring holder screw               | 012-242    | ←               | ←          | ←               |
| Date indicator driving wheel screw     | 012-172    | ←               | ←          | ←               |
| Date indicator maintaining plate screw | 012-172    | ←               | ←          | ←               |
| Day jump regulating lever screw        | ←          | 012-178         | ←          | 012-178         |
| Yoke holder screw                      | 012-461    | ←               | ←          | ←               |
| Day corrector screw                    | 012-172    | ←               | ←          | ←               |
| Operating lever screw                  | 012-172    | ←               | ←          | ←               |
| Rotary weight setscrew                 | 012-439    | ←               | ←          | ←               |
| Lever support screw                    | ←          | 012-012 *2      | ←          | 012-012 *2      |
| Transfer support screw                 | 012-012    | ←               | ←          | ←               |
| Bearing holder screw                   | 012-423    | ←               | ←          | ←               |
| Transfer holder screw                  | 012-421    | 012-424         | 012-421    | 012-424         |
| Side setscrew                          | 012-425    | ←               | ←          | ←               |
|  |            |                 |            |                 |
| Balance wheel top washer               | 012-062    | ←               | ←          | ←               |
| Balance wheel bottom washer            | 012-063    | ←               | ←          | ←               |

\*2. Transfer support No. 6240-31743 and lever support No. 6250-46941 have been rationalized into one this time into transfer support No. 6240-46941. Accordingly the lever support screw No. 012-012 has been discontinued. Transfer support No. 6240-46941 is usable on Cal. 46941, 46922, etc. also. Therefore, all of them are replaced hereafter with transfer support No. 6240-46941.

## 5. Day indicator code

| Part Code  | Specification                                    | Part Code  | Specification  |
|------------|--|------------|--|
| 5500-46943 | English/Japanese<br>(3H window, 3H winding stem) | 5540-46943 | Alphanumeric/Chinese<br>(3H window, 3H winding stem)   |
| 5501-46943 | English/French<br>( ↑ , ↑ )                      | 5541-46943 | English/Chinese<br>( ↑ , ↑ )                           |
| 5502-46943 | English/Italian<br>( ↑ , ↑ )                     | 5542-46943 | Alphanumeric/German character,<br>numeric<br>( ↑ , ↑ ) |
| 5503-46943 | English/alphanumeric<br>( ↑ , ↑ )                | 5543-46943 | English/alphanumeric<br>(9H window, ↑ )                |
| 5504-46943 | English/Portuguese<br>( ↑ , ↑ )                  | 5544-46943 | English/alphanumeric<br>(3H window, 4H winding stem)   |
| 5505-46943 | English/German<br>( ↑ , ↑ )                      | 5545-46943 | English/Arabic<br>( ↑ , ↑ )                            |
| 5506-46943 | English/Spanish<br>( ↑ , ↑ )                     | 5546-46943 | English/Portuguese<br>( ↑ , ↑ )                        |
| 5507-46943 | English/Persian<br>( ↑ , ↑ )                     | 5547-46943 | English/Persian<br>( ↑ , ↑ )                           |
| 5508-46943 | English/Arabic<br>( ↑ , ↑ )                      |            |  |
| 5509-46943 | English/Turkish<br>( ↑ , ↑ )                     |            |  |