



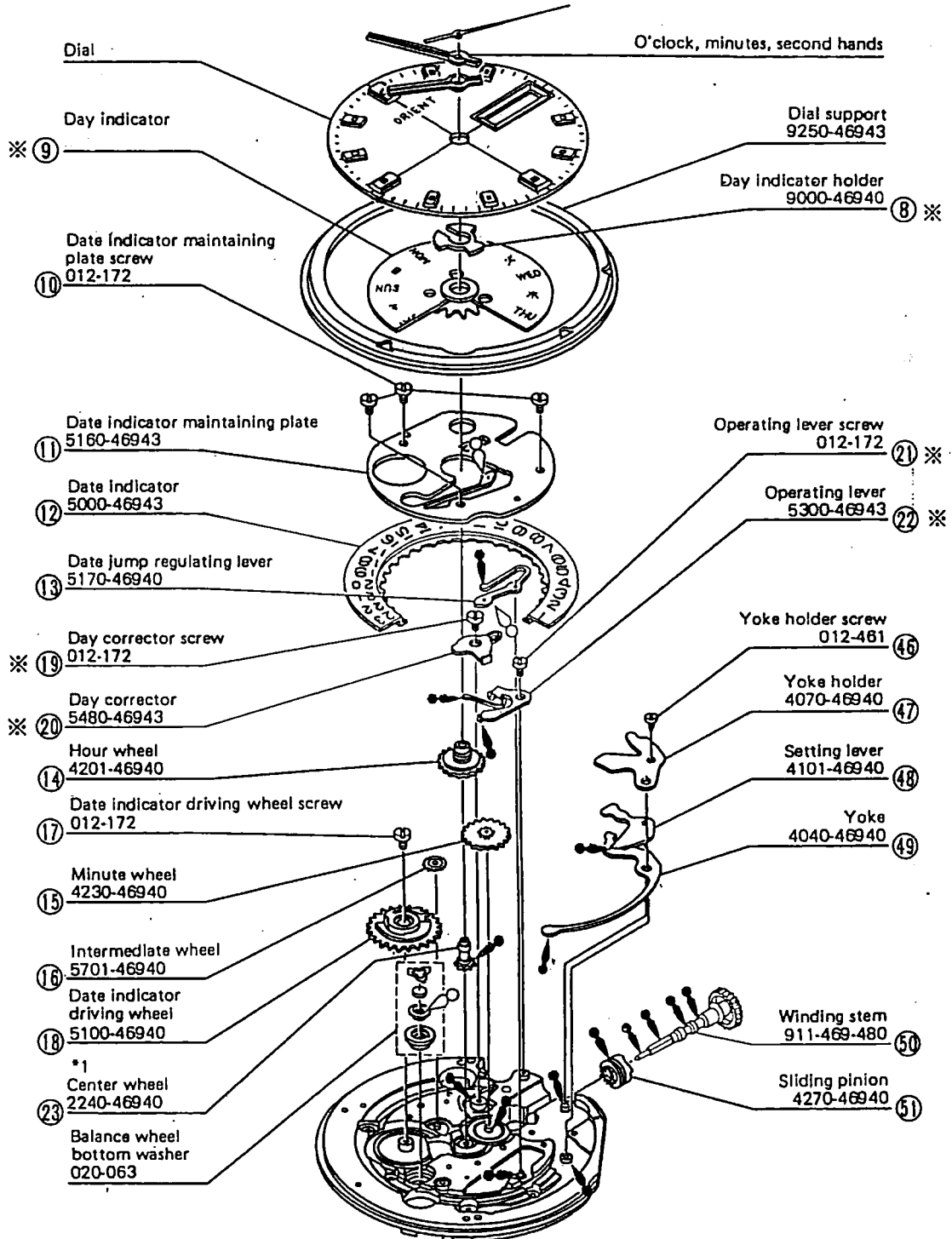
Numbers under part names are part codes.

Lubrication symbols

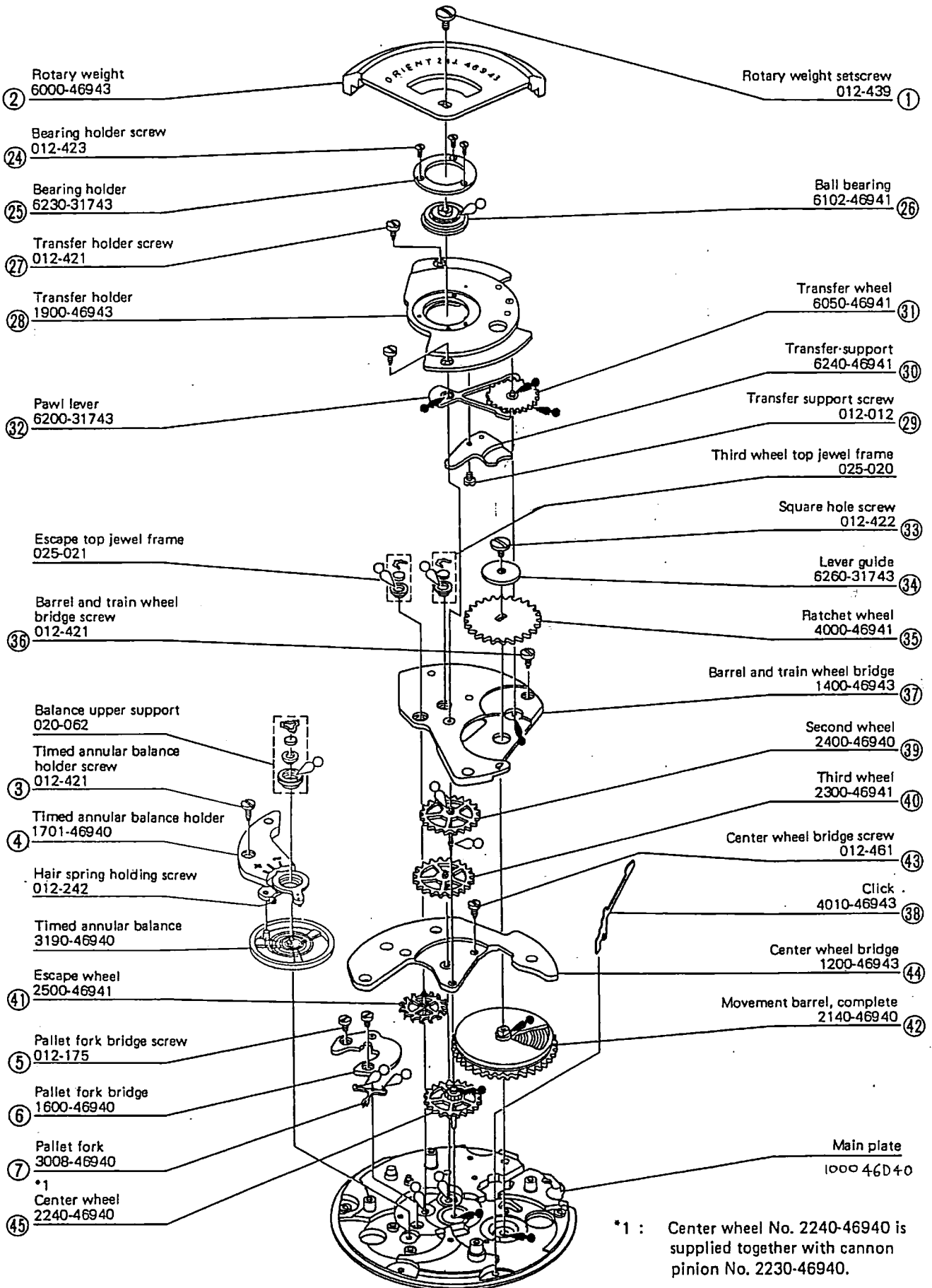
-  Standard volume of Moebius A
-  Standard volume of Moebius grease

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	NO	PARTS CODE	PARTS NAME
46943	1	012439	ROTARY WEIGHT SET SCREW
46943	2	600046943	ROTARY WEIGHT
46943	3	012421	TIMED ANNULAR BALANCE HOLDER SCREW
46943	4	170146940	TIMED ANNULAR BALANCE HOLDER
46943	5	012175	PALLET FORK BRIDGE SCREW
46943	6	160046940	PALLET FORK BRIDGE
46943	7	300846940	PALLET FORK
46943	8	900046940	DAY INDICATOR HOLDER
46943	9		*DAY INDICATOR
46943	10	012172	DATE INDICATOR MAINTAINING PLATE SCREW
46943	11	516046943	DATE INDICATOR MAINTAINING PLATE
46943	12		*DATE INDICATOR
46943	13	517046940	DATE JUMP REGULATING LEVER
46943	14	420146940	HOUR WHEEL
46943	15	423046940	MINUTE WHEEL
46943	16	570146940	INTERMEDIATE WHEEL
46943	17	012172	DATE INDICATOR DRIVING WHEEL SCREW
46943	18	510046940	DATE INDICATOR DRIVING WHEEL
46943	19	012172	DAY CORRECTOR SCREW
46943	20	548046943	DAY CORRECTOR
46943	21	012172	OPERATING LEVER SCREW
46943	22	530046943	OPERATING LEVER
46943	23	224046940	CENTER WHEEL
46943	24	012423	BEARING HOLDER SCREW
46943	25	623031743	BEARING HOLDER
46943	26	610246941	BALL BEARING
46943	27	012421	TRANSFER HOLDER SCREW
46943	28	190046943	TRANSFER HOLDER
46943	29	012012	TRANSFER SUPPORT SCREW
46943	30	624046941	TRANSFER SUPPORT
46943	31	605046941	TRANSFER WHEEL
46943	32	620031743	PAWL LEVER
46943	33	012422	SQUARE HOLE SCREW
46943	34	626031743	LEVER GUIDE
46943	35	400046941	RATCHET WHEEL
46943	36	012421	BARREL AND TRAIN WHEEL BRIDGE SCREW
46943	37	140046943	BARREL AND TRAIN WHEEL BRIDGE
46943	38	401046943	CLICK
46943	39	240046940	SECOND WHEEL
46943	40	230046941	THIRD WHEEL
46943	41	250046941	ESCAPE WHEEL
46943	42	214046940	MOVEMENT BARREL COMPLETE
46943	43	012461	CENTER WHEEL BRIDGE SCREW
46943	44	120046943	CENTER WHEEL BRIDGE
46943	45	224046940	CENTER WHEEL
46943	46	012461	YOKE HOLDER SCREW
46943	47	407046940	YOKE HOLDER
46943	48	410146940	SETTING LEVER
46943	49	404046940	YOKE
46943	50	911469480	WINDING STEM
46943	51	427046940	SLIDING PINION

ORIENT WATCH

TECHNICAL MANUAL

Cal.46943

Cal.46924

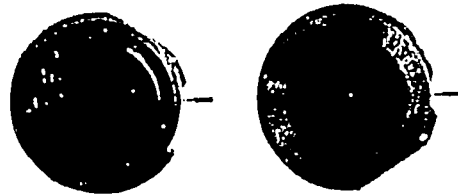
Cal.48743



ORIENT WATCH CO., LTD.

ORIENT WATCH CAL.46943,46924 AND 48743

Representative caliber : Caliber No.
 46900 : 46943 (21 jewels)
 : 46924 (17 jewels)
 : 48743 (21 jewels)



Cal. No. 46943

1. On Cal. 46943, 46924 and 48743

Above Cal. 46943 is 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.

And Cal.48743 is single calendar (date) type of Cal.46943.

According to rationalization, however, the structure has partly been modified. When handling them, refer to this technical manual.

2. Movement specification

Item	46943 and 46924	48743
Movement diameter	φ 27.4 mm	←
Casing diameter	φ 27.0 mm	←
Normal thickness	5.44 mm	5.38
Maximum thickness	5.74 mm	5.63
Balance wheel frequency	Claw lever type	←
Automatic winding	21,600 cycles/hour (6 vibrations)	←
Calendar	Day and Date	Date
	Day (quick advance by button, selectable of 2 languages)	—
Additional function	3-center hand	←
	One-side swing adjuster	←
	Vibration damper	←
Number of jewels	46943:21 46924:17	21

4. Common parts list

When placing an order for spare parts, refer to the following list and be careful to avoid confusion.

Part name	46943	46941	46924	46922	48743
Barrel and train wheel bridge	1400 46943	1400 46941	1400 46924	1400 46921	1400 46943
Center wheel bridge	1200 46943	1200 46940	1200 46943	1200 46940	1200 46943
Pullet fork bridge	1600 46940	←	←	←	←
Timed annular balance holder	1701 46940	←	←	←	←
Transfer holder	1900 46940	1900 46941	1900 46924	1900 46922	1900 46943
Movement barrel, complete	2140 46940	←	←	←	←
Center wheel	2240 46940	←	←	←	←
Cannon pinion	"	←	←	←	←
Third wheel	2300 46941	←	2300 46921	←	2300 46941
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	4010 46943
Yoke	4040 46940	←	←	←	←
Yoke holder	4070 46940	←	←	←	←
Setting lever	4101 46940	←	←	←	←
Winding stem	911469 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	5100 46943
Date ind. maintaining plate	5160 46943	5160 46940	5160 46943	5160 46940	5160 46943
Date jump regulating lever	5170 46940	←	←	←	←
Operating lever	5300 46943	5300 46940	5300 46943	5300 46940	—
Operating lever spring	—	5320 46940	←	5320 46940	—
Day correcter	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 table	←	←	←	—
Intermediate wheel	5701 46940	←	←	←	←
Rotary weight	6000 46943	6003 46941	6003 46922	←	6000 48743
Transfer wheel	6050 46941	←	←	←	←
Ball bearing	6102 46941	←	←	←	←
Claw lever	6200 31743	←	←	←	←
Bearing holder	6230 31743	←	←	←	←
Transfer support	6240 46941	6240 31743	6240 46941	6240 31743	6240 46941
Lever support	—	6250 46941	←	6250 46941	—
Lever guide	6260 31743	←	←	←	←
Day indicator holder	9000 46940	←	←	←	—
Dial support	9250 46943	9252 46940	9250 46943	9252 46940	250 46943
Barrel & train wheel holder screw	012 421(H)	←	←	←	←
Center wheel bridge screw	012 461	←	←	←	←
Pallet fork bridge screw	012 175	←	←	←	012 172(H)
Timed annul. balance holder screw	012 421(H)	←	←	←	←
Ratchet hole screw	012 422	←	←	←	←
Hair spring holder screw	012 242	←	←	←	←
Date indicator driving screw	012 172(H)	←	←	←	←
Date ind. maintain plate screw	012 172(H)	←	←	←	←
Day jump regulating lever screw	—	012 178	←	012 178	←

Yoke holder screw	012 461	←	←	←	←
Day corrector screw	012 172(H)	←	←	←	←
Operating lever screw	012 172(H)	←	←	←	←
Rotary weight set screw	012 439	←	←	←	←
Lever support screw	—	012 012	←	012 012	←
Transfer support screw	012 012(H)	←	←	←	←
Bearing holder screw	012 423	←	←	←	←
Transfer holder screw	012 421(H)	012 424	012 421	012 424	←
Movement set screw	012 425	←	←	←	←
Hour wheel washer	—	—	—	—	045 141
Balance wheel top washer	012 062	←	←	←	←
Balance wheel bottom washer	012 063	←	←	←	←

5. Day indicator code

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