

FEATURES

SEIKO Automatic Cal. 6R24A was developed based on the design of the Cal. 6R20A and 6R21A. For Cal. 6R24A, its day and date indicators have been changed to the retrograde indications.

CHARACTERISTICS OF A MECHANICAL WATCH

1. This mechanical watch operates using power obtained from a mainspring.
2. While loss/gain of a quartz watch is indicated by a monthly or annual rate, accuracy of a mechanical watch is normally indicated by a daily rate (loss/gain per day).
3. Normal usage accuracy of a mechanical watch varies according to conditions of use (time period that the watch is worn on the wrist, temperature environment, hand movement, and winding state of the mainspring).
4. When the watch is affected by strong magnetism, it temporarily gains or loses time. If the watch encounters a strong magnetic field, the parts of the watch may be magnetized. In this case, repairs such as removal of magnetism are required.

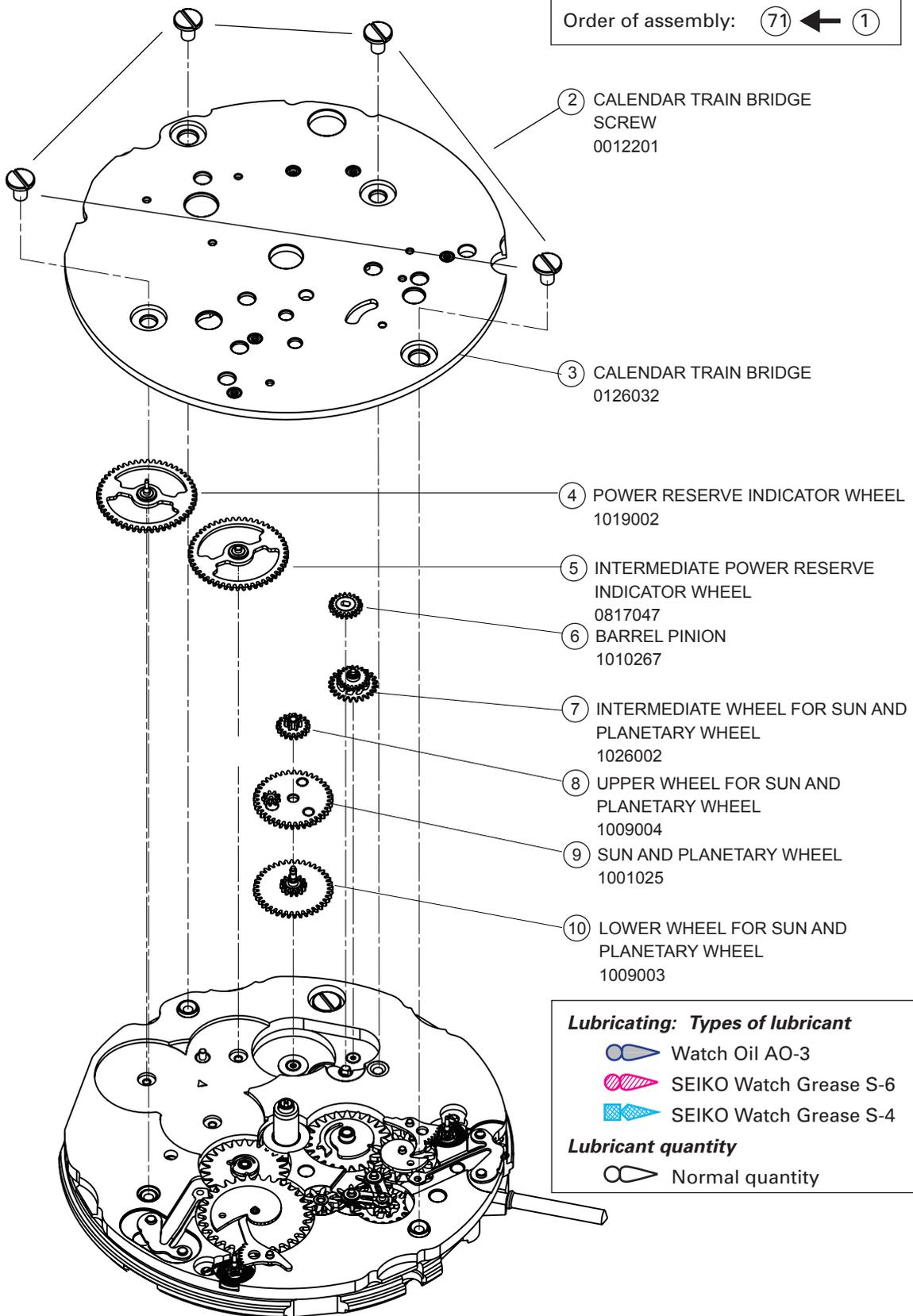
PARTS LIST

Cal. 6R24A

[POWER RESERVE INDICATOR MECHANISM]

Order of disassembly: ① → ⑦①

Order of assembly: ⑦① ← ①

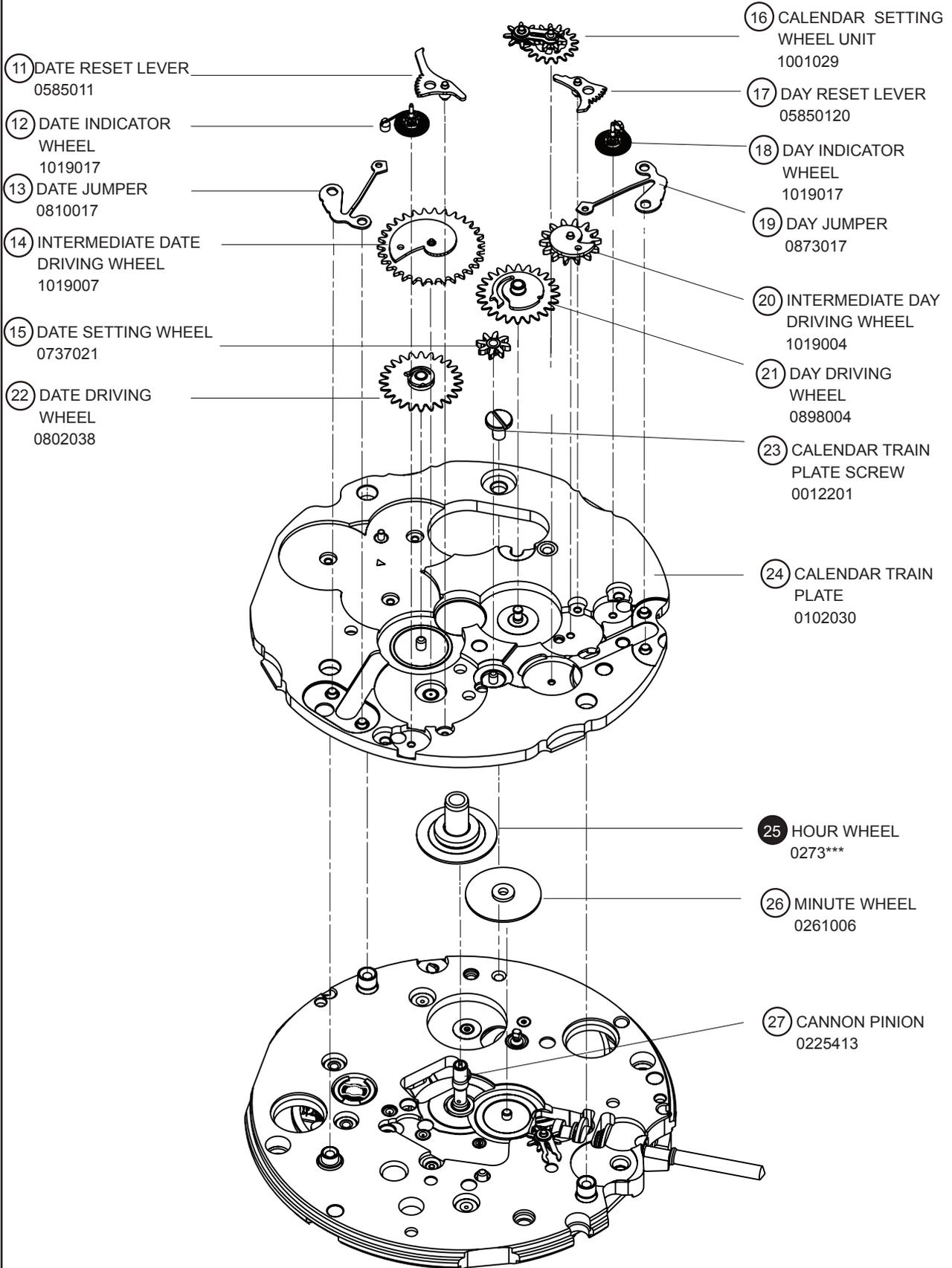


*For parts ①, refer to page 9.

PARTS LIST

Cal. 6R24A

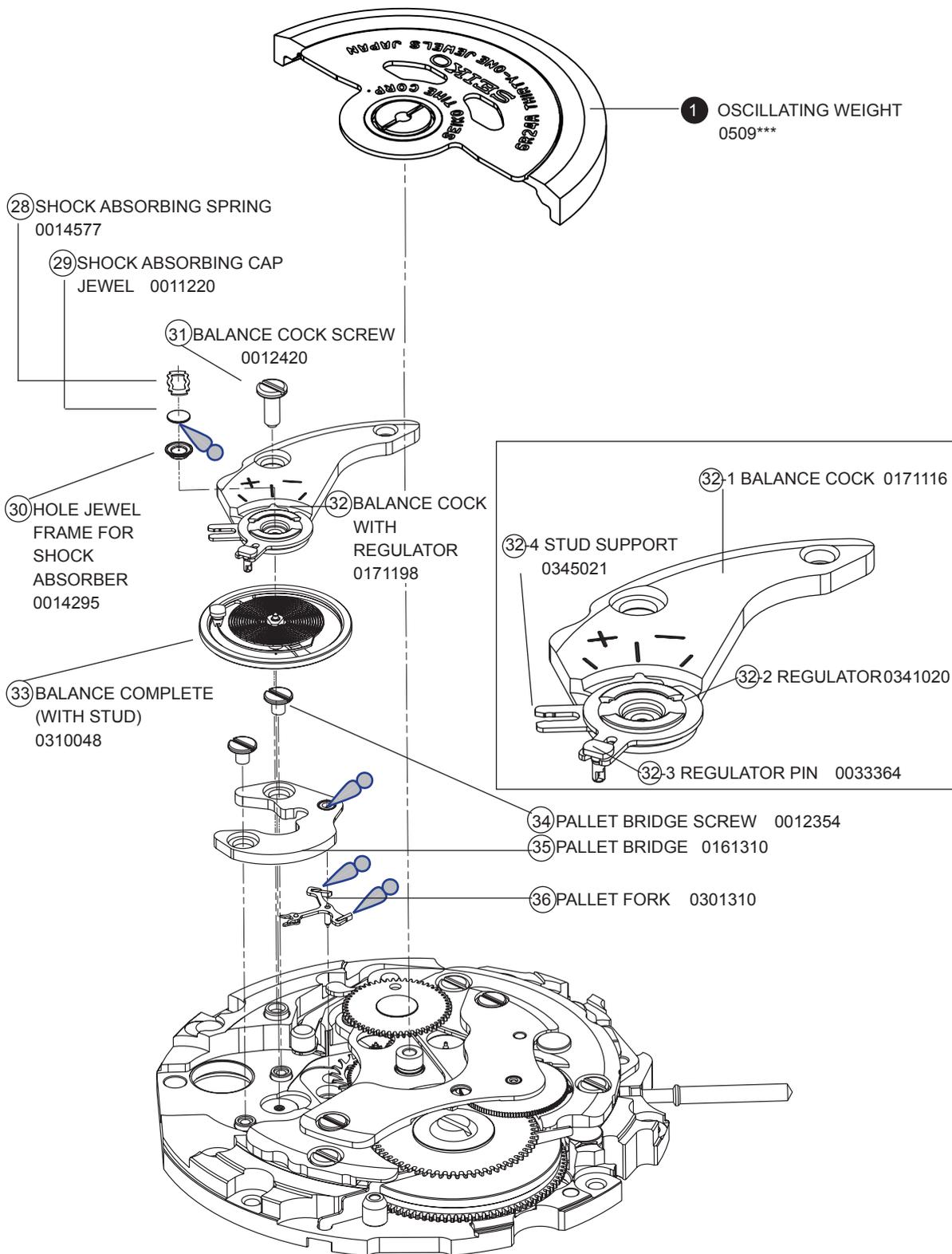
[CALENDAR MECHANISM]



PARTS LIST

Cal. 6R24A

[BALANCE AND ESCAPEMENT]



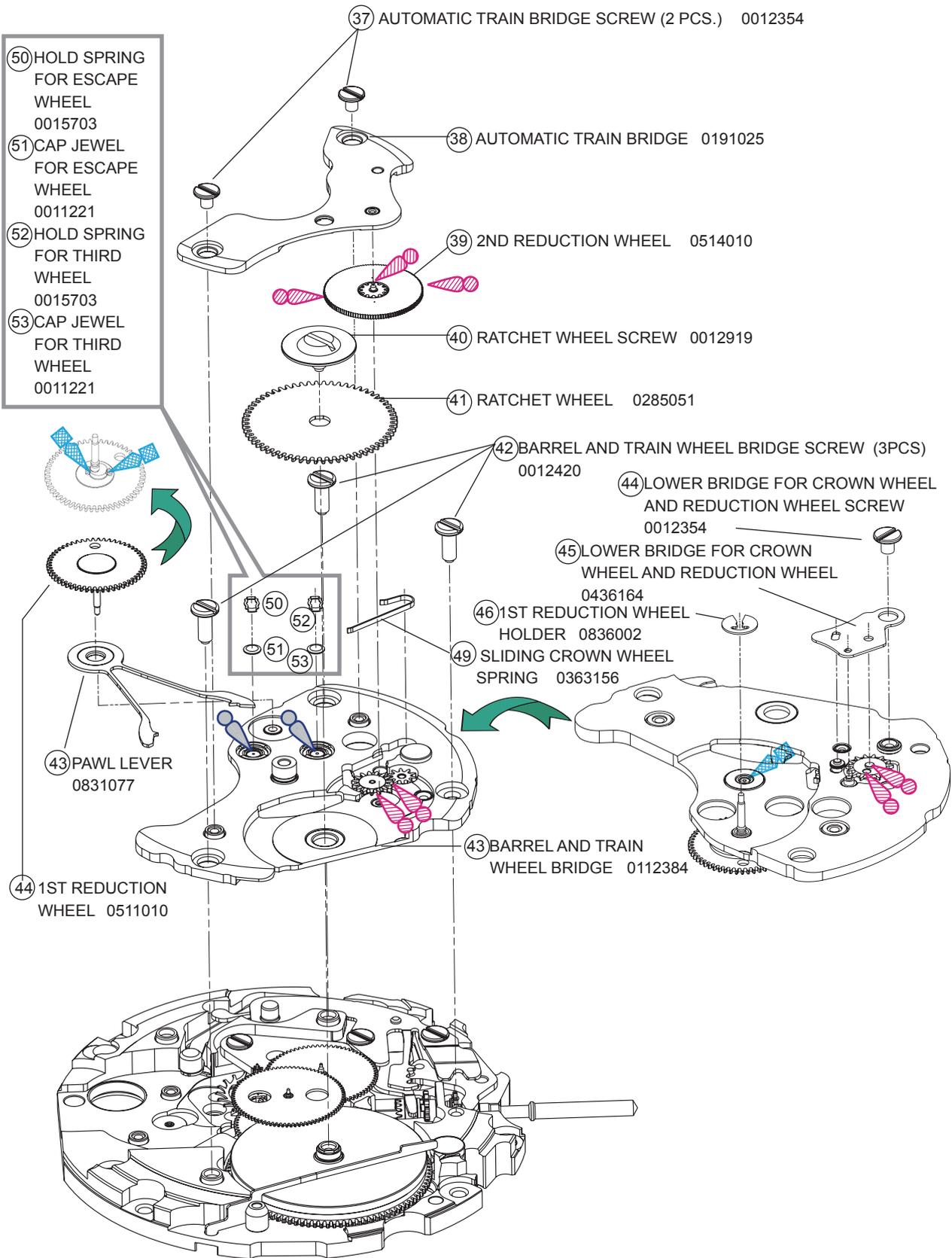
*For parts 1, refer to page 9.

PARTS LIST

Cal. 6R24A

[WINDING MECHANISM]

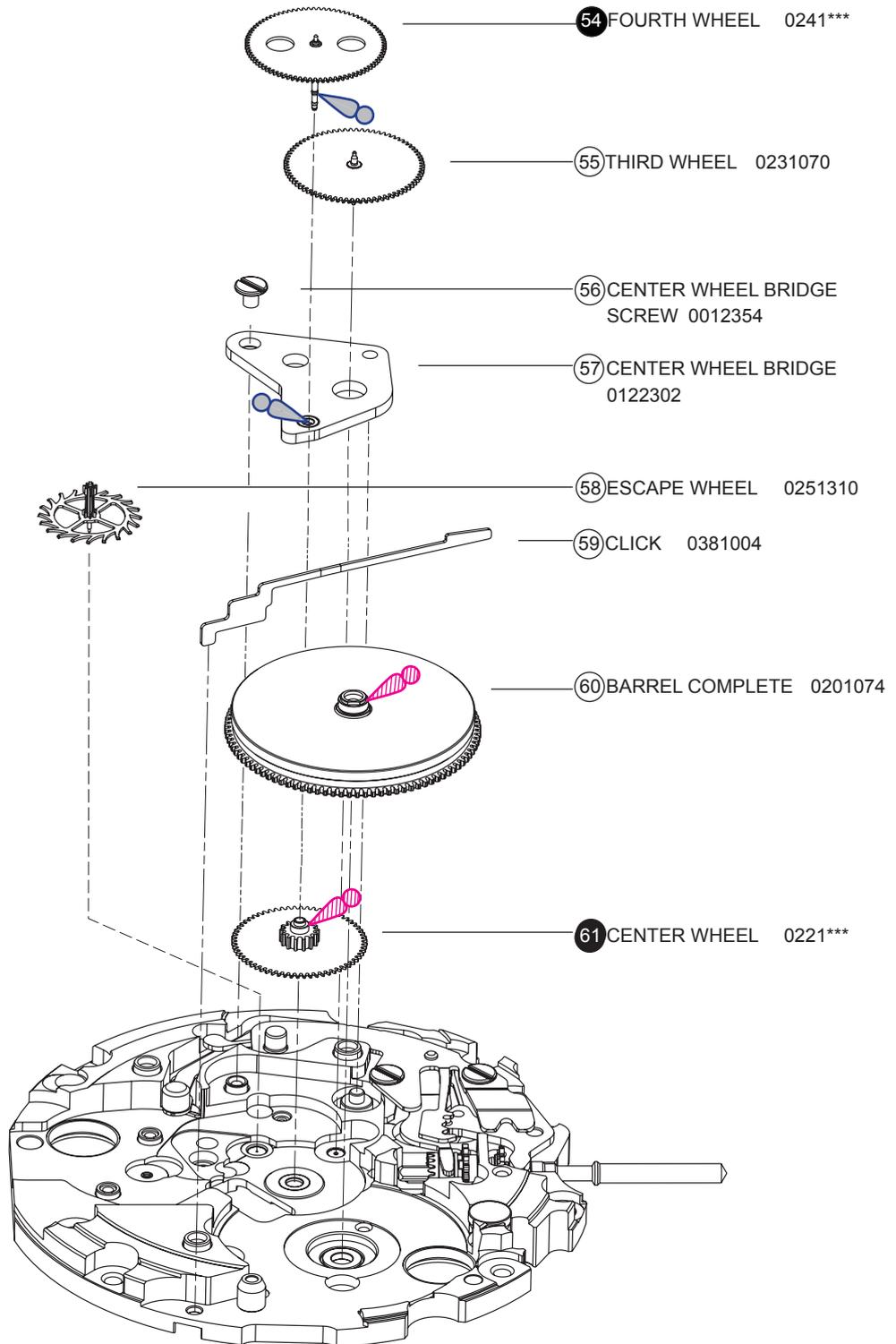
- ⑤0 HOLD SPRING FOR ESCAPE WHEEL 0015703
- ⑤1 CAP JEWEL FOR ESCAPE WHEEL 0011221
- ⑤2 HOLD SPRING FOR THIRD WHEEL 0015703
- ⑤3 CAP JEWEL FOR THIRD WHEEL 0011221



PARTS LIST

Cal. 6R24A

[GEAR TRAIN MECHANISM]

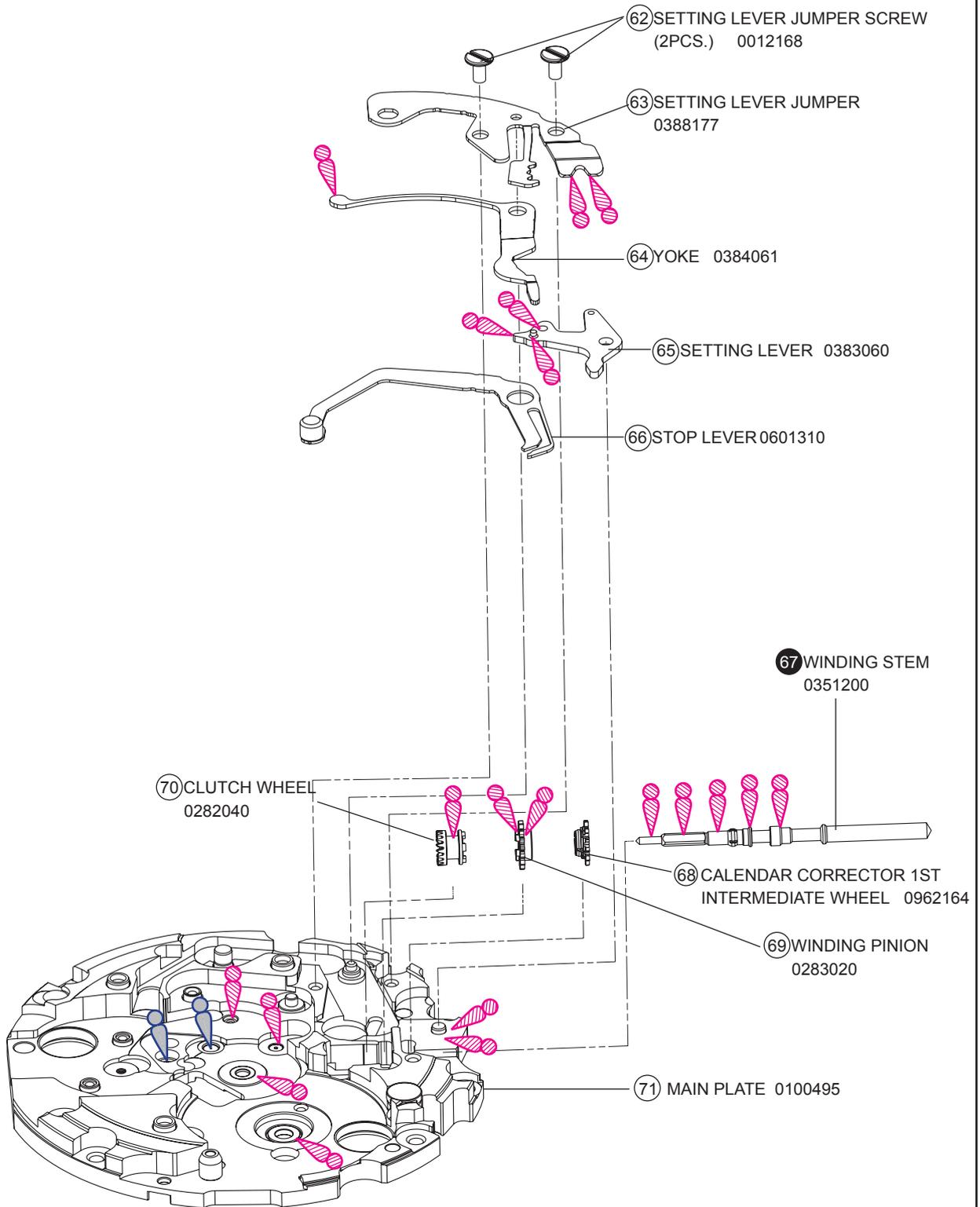


*For parts 54 and 61, refer to page 9.

PARTS LIST

Cal. 6R24A

[SETTING MECHANISM]



* For parts 67, refer to page 10.

PARTS LIST

Cal. 6R24A

● **How to find the correct parts, if not determined by 4 digit caliber number**

Following parts are determined based on the design of watches, such as hands height, dial color, and design of cases. Please refer to the SEIKO WATCH PARTS CATALOGUE in order to choose corresponding parts.

① OSCILLATING WEIGHT

0509290

0509291 (for ANANTA)

⑥⑦ WINDING STEM 0351200

For screw down crown models, the stem is assembled to the crown and is not available separately.

②⑤ HOUR WHEEL 0273***

⑤④ FOURTH WHEEL 0241***

⑥① CENTER WHEEL 0221***

Please refer to the following table in order to find the correct part number of each wheel according to the hand installation height. The numeral 2 or 3 is printed on the DIAL.

	②⑤ HOUR WHEEL	⑤④ FOURTH WHEEL	⑥① CENTER WHEEL
2	0273029	0247216	0221085

Example:



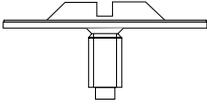
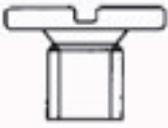
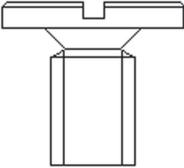
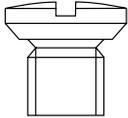
6R21-00C0

T2
↳ Hand installation height

PARTS LIST

Cal. 6R24A

CROSS-SECTION VIEW OF THE SCREW PARTS

Parts code	Parts name
 <p>0012 919</p>	<p>④⑩ RATCHET WHEEL SCREW</p>
 <p>0012 354</p>	<p>③④ PALLET BRIDGE SCREW (2 pcs) ③⑦ AUTOMATIC TRAIN BRIDGE SCREW (2 pcs) ④④ LOWER BRIDGE FOR CROWN WHEEL AND REDUCTION WHEEL SCREW ⑤⑥ CENTER WHEEL BRIDGE SCREW</p>
 <p>0012 201</p>	<p>② CALENDAR TRAIN BRIDGE SCREW (4 pcs) ②③ CALENDAR TRAIN PLATE SCREW</p>
 <p>0012 168</p>	<p>⑥② SETTING LEVER JUMPER SCREW (2 pcs)</p>
 <p>0012 420</p>	<p>③① BALANCE COCK SCREW ④② BARREL AND TRAIN WHEEL BRIDGE SCREW (3 pcs)</p>
 <p>0012 067</p>	<p>CASING CLAMP SCREW (2 pcs)</p>

PARTS LIST

Cal. 6R24A

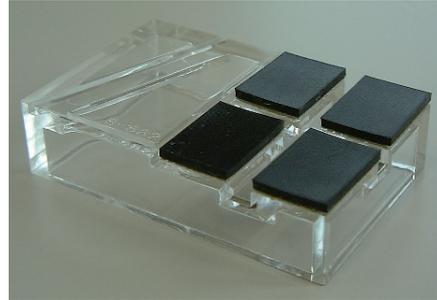
● Location of the jewels

		Upper		Lower	
		Cap jewel	Hole jewel	Cap jewel	Hole jewel
GEAR TRAIN MECHANISM	⑤4 FOURTH WHEEL	—	○	—	—
	⑤5 THIRD WHEEL	○	○	—	○
	⑤8 ESCAPE WHEEL	○	○	—	○
	⑥0 BARREL COMPLETE (WITH MAINSPRING)	—	—	—	○
	⑥1 CENTER WHEEL	—	○	—	○
WINDING MECHANISM	③9 2ND REDUCTION WHEEL	—	○	—	○
	CROWN WHEEL (Assembled to the ④3 BARREL AND TRAIN WHEEL BRIDGE)	—	○	—	—
	④8 1ST REDUCTION WHEEL	—	○	—	○
POWER RESERVE INDICATOR / CALENDAR UNIT	⑫ SUN WHEEL	—	○	—	○
	⑦ PLANETARY REDUCTION WHEEL	—	○	—	○
	⑮ DATE DRIVING REDUCTION WHEEL	—	—	—	○
BALANCE AND ESCAPEMENT	⑨ DAY WHEEL	—	—	—	○
	⑭ DATE WHEEL	—	—	—	○
	③3 BALANCE COMPLETE (WITH STUD)	○	○	○	○
	③6 PALLET FORK	—	○	—	○
	ENTRY PALLET JEWEL			○	
	EXIT PALLET JEWEL			○	
	ROLLER JEWEL			○	
TOTAL NUMBER OF JEWELS		31 jewels			

● **Tools and consumables required for disassembling/reassembling**

• **Movement holder**

UNIVERSAL MOVEMENT HOLDER
(S-682)



• **Watch oils**

SEIKO watch grease S-6 and S-4. watch oil AO-3 (or Moebius A)

S-6



AO-3



S-4

