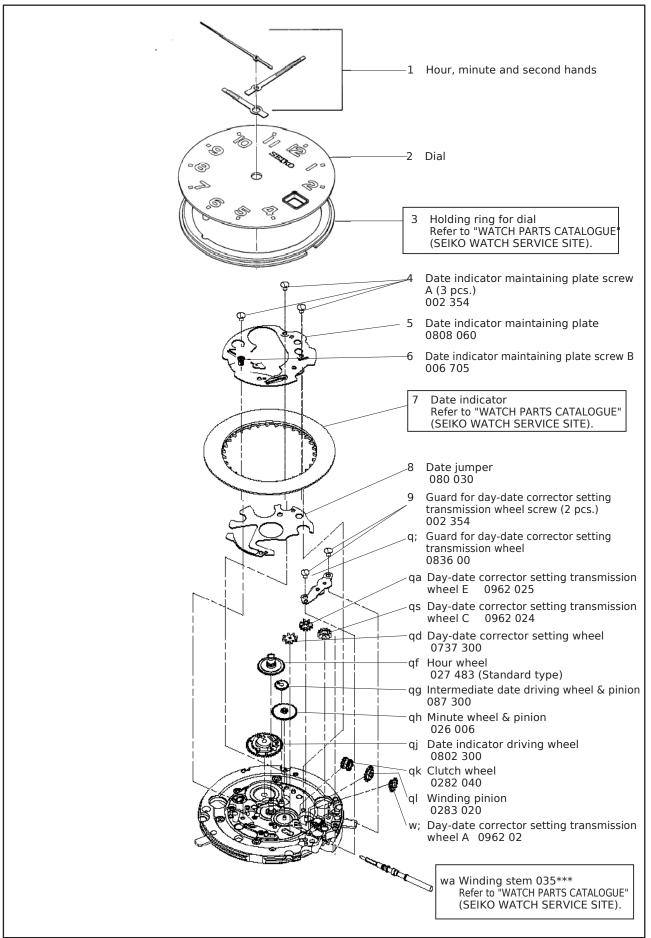
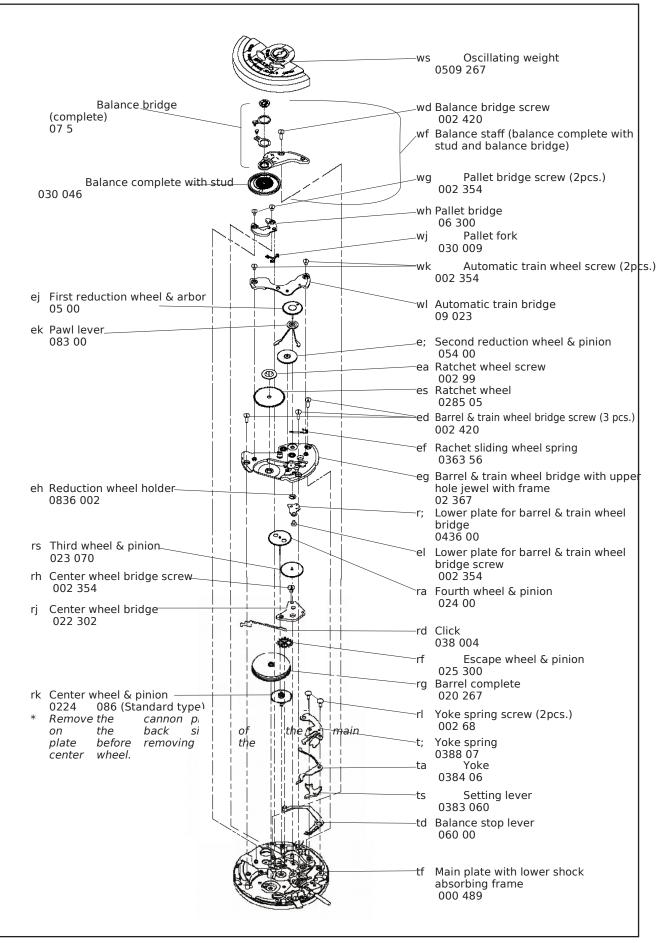
# PARTS CATALOGUE / TECHNICAL GU Cal. 6R15B

#### [SPECIFICATIONS]

Cal. No.		6R15B		
Movement		(x .0)		
Movement	Outside diameter	Ø 27.4 mm		
size	Casing diameter	Ø 27.0 mm		
	Height	5.25 mm		
Time indication		3 hands (Hour, minute and second hands)		
Vibrati	on per hour	2,600 (6 beats per hour)		
Basic mechanism		<ul> <li>Mechanical watch</li> <li>3 hands</li> <li>Automatic winding with auxiliary hand winding mechanism</li> </ul>		
Additional mechanisms		<ul> <li>Date calendar</li> <li>Instant date setting device</li> <li>Second setting device</li> </ul>		
	Original	Manual winding (turn clockwise)		
Crown	First click	Date correction (turn counterclockwise)		
operation	Second click	Time setting (turn clockwise to move forward and counterclockwise move back) Second hand stops on the spot		
Loss/gain		Between -5 seconds and +25 seconds per day		
Number of Jewels		23 jewels		

#### SEIKO WATCH CORPORATION





Parts code	Parts name
002 99	Ratchet wheel screw
002 354	Lower plate barrel & train wheel bridge screw Center wheel bridge screw Pallet bridge screw (2pcs.) Automatic train wheel screw (2pcs.) Date indicator maintaining plate screw A (3 pcs.)
006 705	Date indicator maintaining plate screw B
002 68	Yoke spring screw (2pcs.)
002 420	Barrel & train wheel bridge screw (3 pcs.) Balance bridge screw
002 067	Casing clamp screw (2 pcs.)

#### **OThERS**

Location	Parts names	Parts codes	
Above the third wheel S pinion	Upper cap jewel	00 22	
Above the third wheel & pinion	Cap jewelled spring	005 703	
	Upper cap jewel	00 22	
Above the escape wheel & pinion	Cap jewelled spring	005 703	
	Upper hole jewel frame for shock-absorber	004 295	
Above the balance	Upper shock-absorbing cap jewel	00 220	
	Upper shock-absorbing spring	004 577	
	Lower hole jewel frame for shock-absorber	004 295	
Below the balance	Lower shock-absorbing cap jewel	00 220	
	Lower shock-absorbing spring	004 577	

#### LOCATION OF ThE jEwELS\_\_\_\_\_

	Upper		Lower		
	Cap Jewel	Hole Jewel	Cap Jewel	Hole Jewel	
Center wheel & pinion	_	0	_	0	
Forth wheel & pinion	-	0	_	-	
Third wheel & pinion	0	0	_	0	
Escape wheel & pinion	0	0	_	0	
Pallet fork	-	0	_	0	
Balance	0	0	0	0	
Crown wheel	-	0	_	-	
First reduction wheel & arbor	_	0	_	0	
Second reduction wheel & pinion	_	0	_	0	
Pallet fork (entry pallet)	0				
Pallet fork (exit pallet )	0				
Balance (roller jewel)	0				
Total	23 jewels				

#### Remarks

The correct parts for the following are determined based on the design of the cases. Refer to "SEIKO Watch Parts Catalogue (SEIKO WATCH SERVICE SITE)" to choose corresponding parts.

- I Holding ring for dial
- l Date indicator

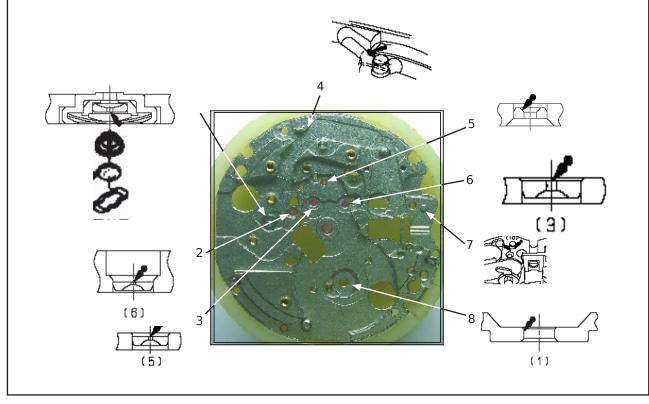
#### **1** Lubricate the main plate

Make sure to lubricate the exact lubrication points with an adequate amount of the correct type of oil. Normal quantity

. Lubricate the lower shock-absorbing cap jewel as illustrated, and set it to the lower hole jewel with frame for shock-absorber. Then, mount the lower hole jewel with frame for shock-absorber (with the cap jewel attached) to the lower shock-absorbing frame, and hook the lower shock-absorbing spring over it.

Type of oil: AO-3 (Moebius A)

- Lubricate the lower hole jewel for the pallet fork as illustrated.
   Type of oil: AO-3 (Moebius A) ●►
- Lubricate the lower hole jewel for the escape wheel & pinion as illustrated.
   Type of oil: AO-3 (Moebius A) ●►
- 4. Lubricate the contact point between the tail portion of the yoke and the frame of the main plate as illustrated.
   Type of oil: S-6
- 5. Lubricate the lower hole jewel for the first reduction wheel & arbor as illustrated. Type of oil: S-6
- Lubricate the lower hole jewel for the third wheel & pinion as illustrated.
   Type of oil: AO-3 (Moebius A) ●►
- Lubricate the pin of the setting lever as illustrated.
   Type of oil: S-6
- 8. Lubricate the lower dent of the barrel complete as illustrated. Type of oil: S-6



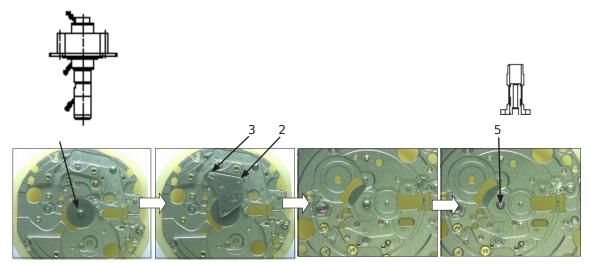
#### 2 REASSEmBLE THE whEELS (1)

Install the parts in the order shown in the illustration below, paying attention to the following: mounting positions direction of mounting

- type of oil, lubrication point(s) and amount of lubrication
- Lubricate the upper and lower pivots of the center wheel & pinion, and the point of contact between the center wheel and the cannon pinion as illustrated.
   Install the center wheel & pinion.

Type of oil: S-6 OC>

- 2. Set the center wheel bridge.
- 3. Tighten the center wheel bridge screw.
- 4. Turn the main plate upside down.
- 5. Set the cannon pinion to the center wheel & pinion.



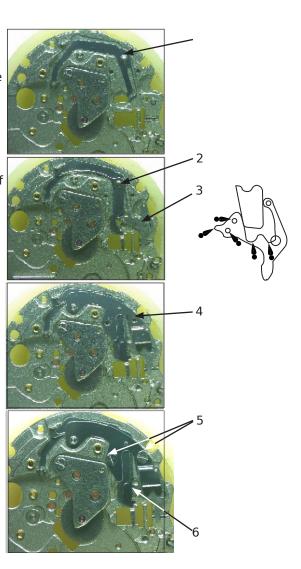
4 Turn the main plate upside down.

#### 3 **REASSEmBLE THE SwITCHINg mECHANISm (FRONT SIdE)**

Install the parts in the order shown in the illustration below, paying attention to the following: mounting positions direction of mounting

type of oil, lubrication point(s) and amount of lubrication **OP** Normal quantity

- . Set the balance stop lever.
- 2. Set the yoke.
- 3. Lubricate the upper and lower places of the setting lever and the point of contact between the setting lever and yoke as illustrated. Type of oil: S-6 OD
- 4. Set the yoke spring.
- 5. Tighten the yoke spring screws. (2 pcs.)
- 6. Hook the setting lever over the spring portion of the yoke.



# 4 **REASSEmBLE THE whEELS (2)** Install the parts in the order shown in the illustration below, paying attention to the following: mounting positions direction of mounting type of oil, lubrication point(s) and amount of lubrication $\bigcirc$ Normal quantity . Set the escape wheel & pinion. 2. Set the barrel complete. 3. Set the click. 4. Set the third wheel & pinion. 5. Lubricate the lower pinion and the convex part of the fourth wheel & pinion as illustrated, and set it Type of oil: AO-3 (Moebius A) 🖝 6. Lubricate the upper pivot of the barrel complete . Type of oil: S-6 🔊

#### **5** REASSEMBLE THE WHEELS (BARREL & TRAIN WHEEL BRIdgE)

Install the parts in the order shown in the illustration below, paying attention to the following: mounting positions direction of mounting

type of oil, lubrication point(s) and amount of lubrication **OP** Normal quantity

- Lubricate the upper cap jewel of the escape wheel & pinion as illustrated, and set the cap jewel and friction spring for the escape wheel.
   Type of oil: AO-3 (Moebius A) ●
- 2. Lubricate the upper cap jewel of the third wheel & pinion as illustrated, and set the cap jewel and friction spring for the third wheel.
  - Type of oil: AO-3 (Moebius A)
- 3. Lubricate the lower hole jewel for the second reduction wheel as illustrated.

Type of oil: S-6 ODD

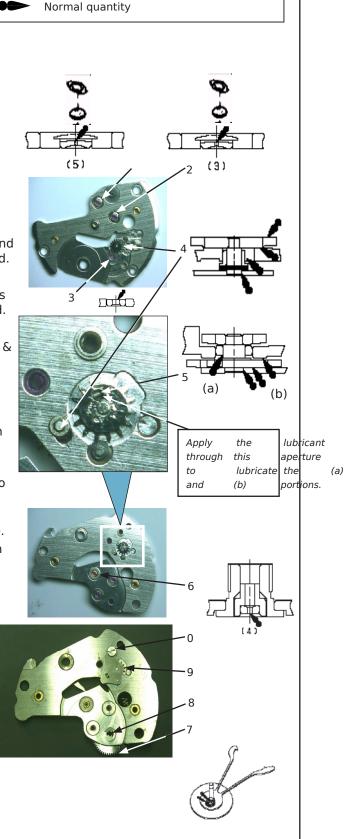
- Lubricate the axle, under surface, teeth surface and lower pivot of the sliding crown wheel as illustrated.
   Type of oil: S-6
- 5. Lubricate the shaft, both upper and lower surfaces and teeth surface of the crown wheel as illustrated.
   Type of oil: S-6
- 6. Lubricate the hole jewel for the fourth wheel & pinion as illustrated.

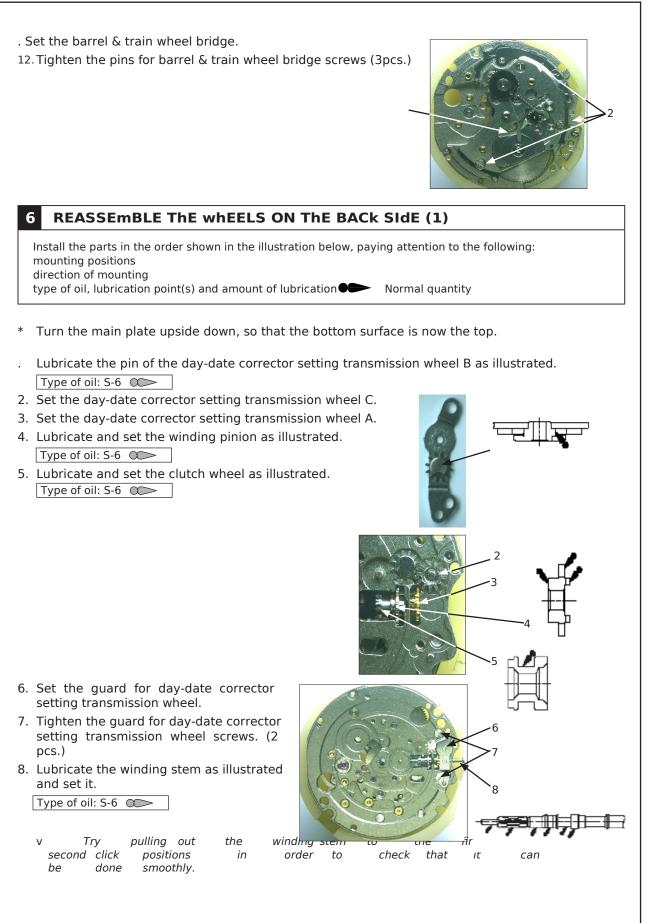
Type of oil: AO-3 (Moebius A) 🖝

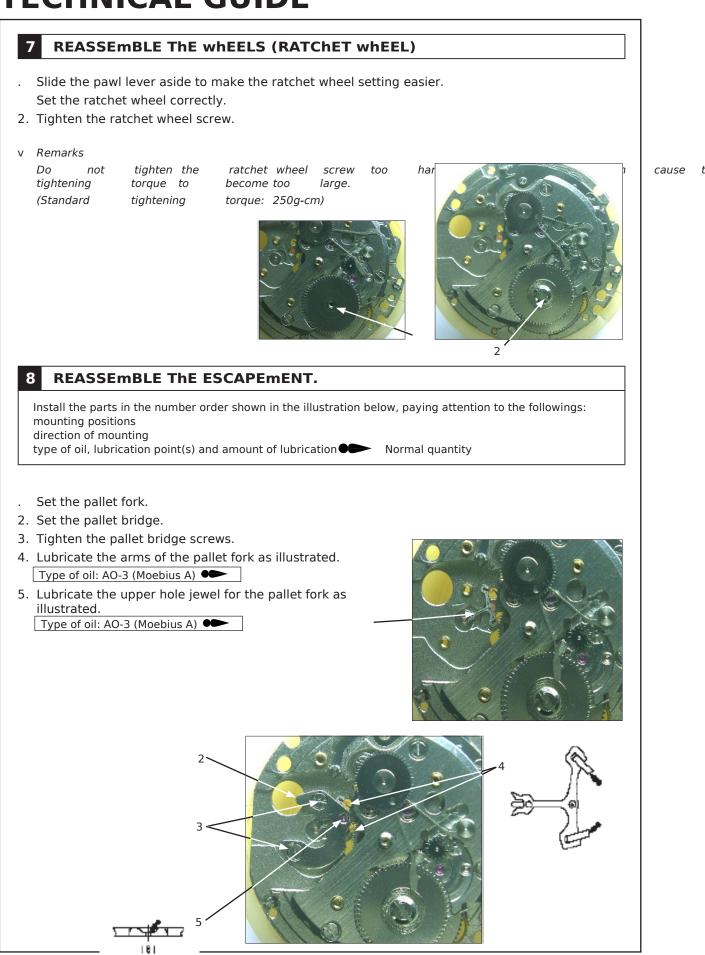
7. Lubricate the eccentric shaft of the first reduction wheel as illustrated. Set the pawl lever.
 Lubricate the upper pivot of the first reduction wheel.

Type of oil: S-4 🛛 🗠

- 8. Set the first reduction wheel with the pawl lever to the barrel & train wheel bridge, and fix it with the reduction wheel holder.
- 9. Set the lower plate for barrel & train wheel bridge.
- 0. Tighten the screws for lower plate for barrel & train wheel bridge.



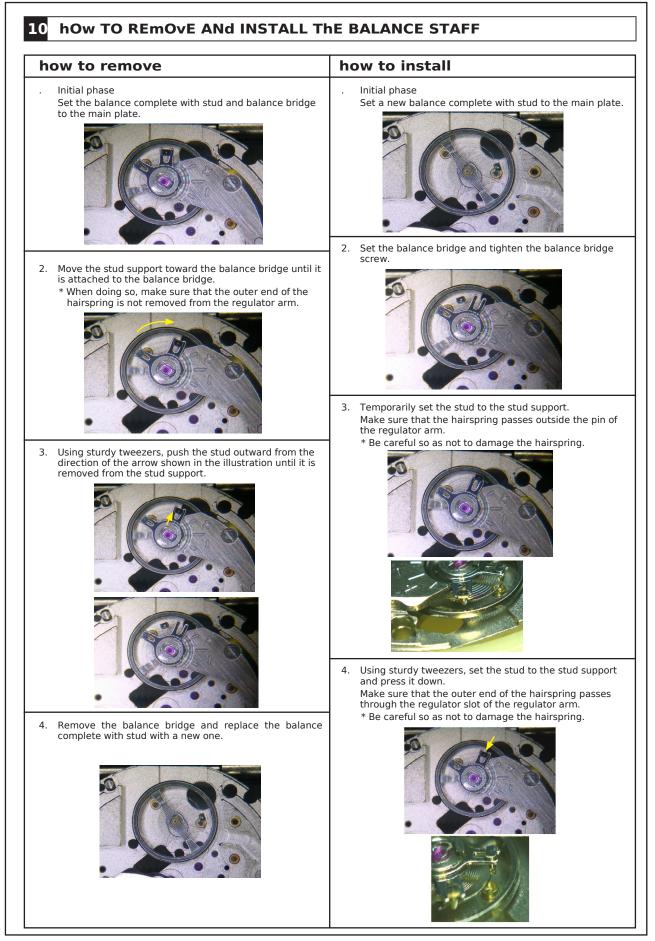


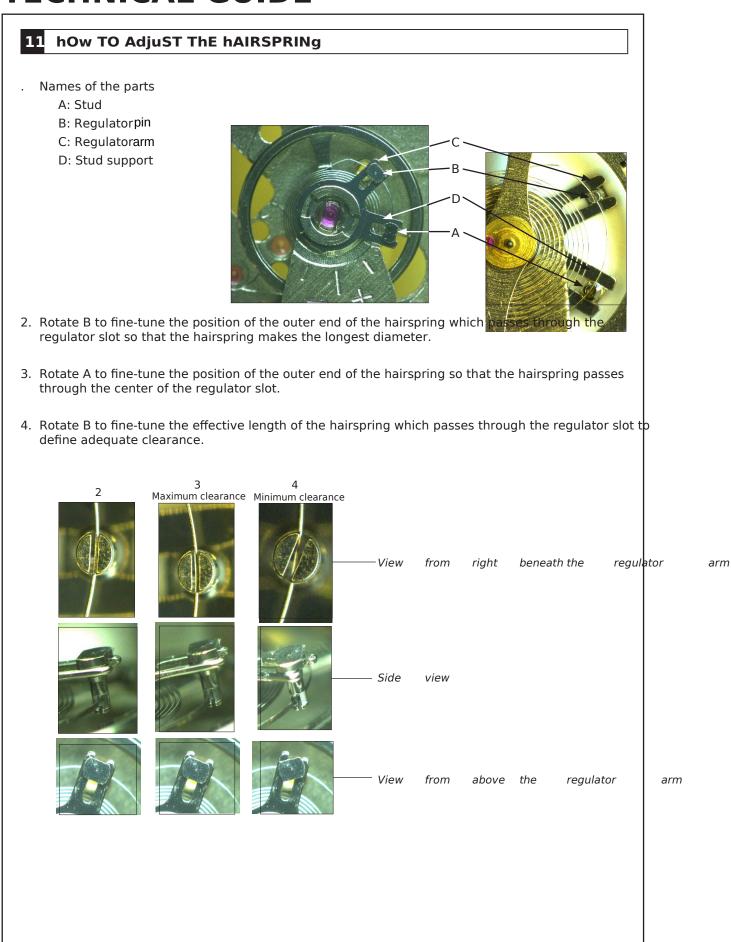


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#### Cal. 6R15B

# 9 **REASSEmBLE THE BALANCE STAFF** Install the parts in the order shown in the illustration below, paying attention to the following: mounting positions direction of mounting type of oil, lubrication point(s) and amount of lubrication Set the balance complete with stud and balance bridge. 2. Tighten the balance bridge screw. 3. Lubricate the upper shock-absorbing cap jewel as illustrated, and set it to the upper hole jewel with frame for shock-absorber. Then, mount the upper hole jewel with frame for shock-absorber (with the cap jewel attached) to the upper shock-absorbing frame, and hook the upper shock-absorbing spring over it. Type of oil: AO-3 (Moebius A) 🖝 2 3





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