ROLEX

TECHNICAL AND SERVICE INFORMATION

3rd Edition

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The purpose of this new revised and enlarged "Technical and Service Information" booklet is to help good watchmakers to familiarize themselves with the servicing of Rolex and Tudor watches.

We have purposefully limited the contents to the points that may require special knowledge and attention, and we hope that it will be useful to the fine craftsmen who service our product.

Should you require any additional technical information, please feel free to write us.

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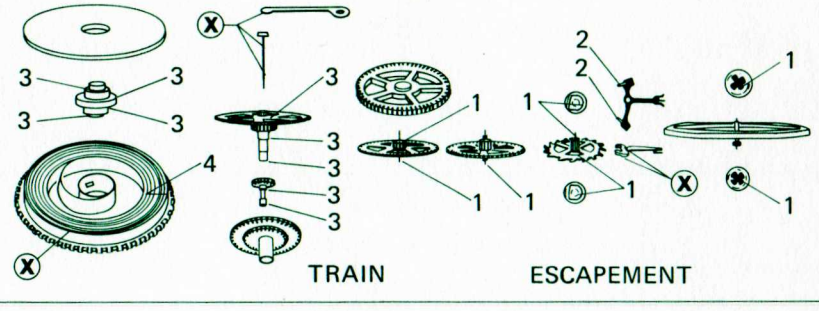
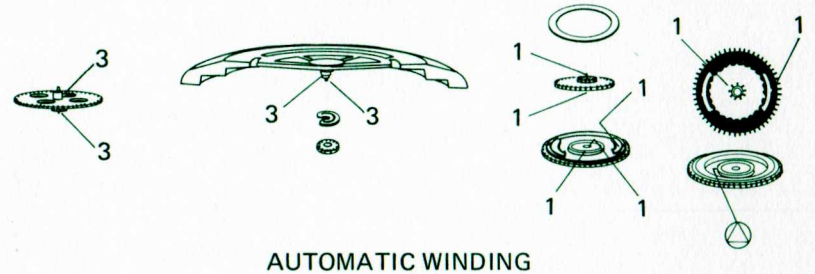
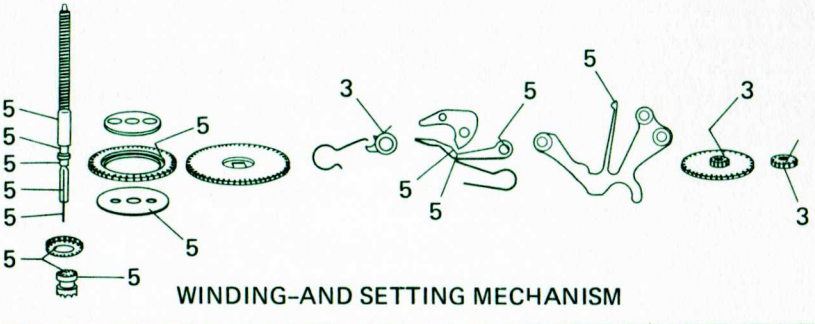
CURRENT ROLEX CALIBRES

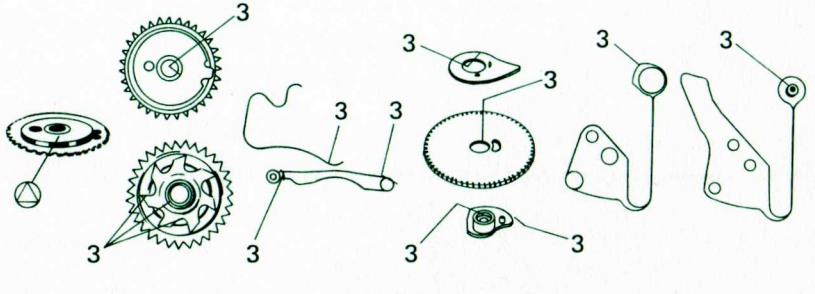
Caliber 1800	4¾"	Tonneau-shaped, 21, 600 beat
Caliber 1400-1	6" round	21,600 beat
Caliber 1600	9¼" round	19,800 beat
Caliber 2030	7¾" round	Self-winding, 28,800 beat, sweep second hand
Caliber 2035	7¾"	Same as above with date
Caliber 1220	10½" round	Manual-winding, 21,600 beat
Caliber 1225	10½" round	Manual-winding, 21,600 beat Calendar
Caliber 1520	12½" round	Self-winding, 19,800 beat, regulation by regulator and inertia blocks
Caliber 1570	12½" round	Self-winding, 19,800 beat regulation by Micro-Stella systems
Caliber 1556	12½" round	Same as above with day and date feature
Caliber 1575	12½" round	Same as above with date feature
Caliber 1575-GMT	12½" round	Same as above with date feature and 24-hour hand
Caliber 727	13" round	Chronograph 21,600 beat

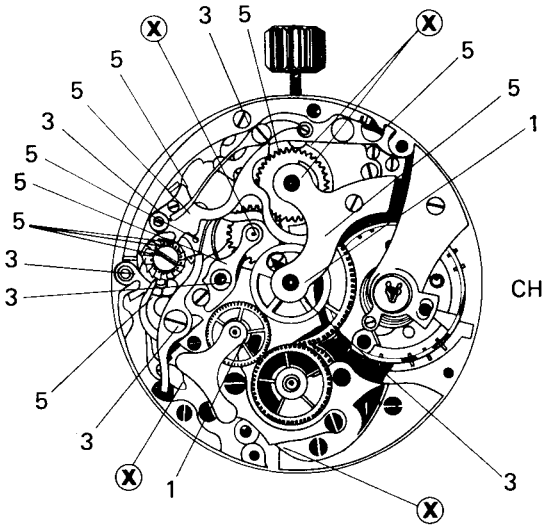
ROLEX OILING CHART

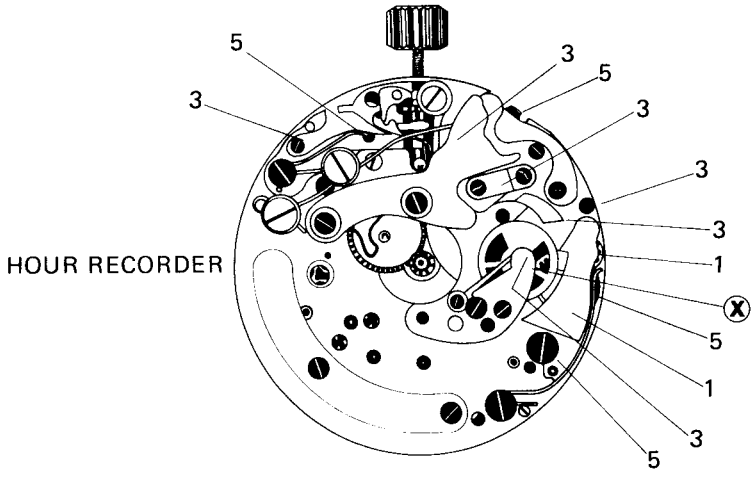




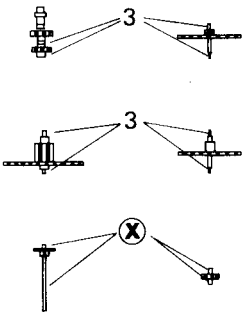








CALIBER 2030/35



OILING CODE

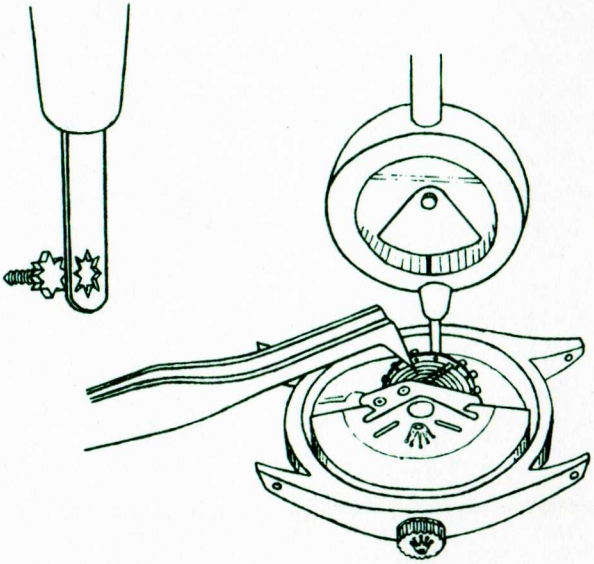
1 Synt-A-Lube 9010
2 Moebius 941
3 PML 163
4 Molybdenum bisulfide MR 1
5 Grease PML or KT 22

Ⓧ Do not oil
△ Do not dismantle

ROLEX REGULATING SYSTEMS

Micro-Stella

1. This system is used in all 12½" Rolex chronometers of 18,000 and 19,800 beat. The balance wheel is fitted with 18 screws including two regulating screws with slotted heads for timing adjustments when the movement is uncased.
2. Two gold Micro-Stella (star-shaped) regulating screws are provided for timing adjustments when the watch is cased.
3. The Micro-Stella wrench is comparable to a ring spanner, the tip of which fits over the Micro-Stella regulating screws on the balance wheel.
4. When performing corrections, hold balance wheel with nickel tweezers, insert the Micro-Stella tool over the screw head and screw or unscrew each one of the two Micro-Stella screws exactly the same number of degrees.
5. The Micro-Stella wrench is provided with graduations corresponding to one second each.
6. Micro-Stella wrenches are available from the Rolex Material Division.



Calibre 1400 6" Round

Because of the small size of the movement the Micro-Stella wrench cannot be used with calibre 1400 even though the basic timing principle is the same.

The balance wheel has two pairs of screws that are used for the timing of the movement. The turning of the screws is done with a fine screwdriver blade and one-quarter of one turn on one pair of diametrically-opposed screws will create a variation of about 15 seconds per 24 hours. It is possible to make corrections of up to three minutes per day by turning the timing screws.

Timing differences greater than three minutes per day must first be corrected by using timing washers in the conventional manner.

Inertia Blocks

Calibre 1520 12½" self-winding and calibre 1600 9¼" manual-wind follow a different principle.

These movements are equipped with screwless balance wheels and flat hairsprings. The balance wheel arm is fitted with two inertia blocks for fine timing. This is done by turning these two inertia blocks (one yellow, one white) using a very fine blade, such as is used for turning the collet of hairsprings. By directing the inertia blocks splits towards the center of the balance wheel a slow-down is obtained; while a gain of time will result if the splits are turned in the opposite way.

The maximum correction obtainable is approximately 10 seconds per 24 hours, from one extreme position to the other.

More substantial corrections are done by moving the regulator.