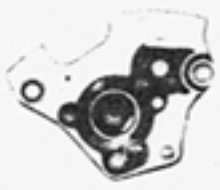
Illustration of parts


100


105


110


121/3


125

145

163/1


180/1


195


200/1


210


225


243


260


307/1


324


325


364

368


401


401/1


404


407


410


415


417

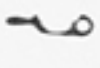

420


423


424


425


430


435


440


443


445


450


453


462


469


523


705

710

721

1141

1142

1143/1

1428

2557/1

2535

2543

2548

2556/1

1480
1481

1482

1500

1521

2558

2575

2576

8060

166

714

5110
5121/3
5424
51142

5125
5462
51131
51141

5166

5415

5417

5420

5425

730

724

5443

5445

5738

5750

52535

8000

8020

8079/1

8086

8100

8105

8140

8146/1

8180

8200

8220

8270

8510 montée
8281 non montée

8290

8323

8325

8335/8340

8356

8500

8601

8271
(mince)

8620

8631

8680

8700

8705

8707
(épais)

8730

58510

(bleue)

58270
58356
58500
58620

58105

58079/1
58140
58680

58100
58220

58200

58220[1]

58705

8403
8406

58180
(à gauche)

8405

58290

8412

SPARE PARTS OF MOVEMENT

100 Plate (with Incabloc)
105 Barrel bridge
110 Train wheel bridge
121/3 Balance cock for stud holder and shock-protecting device
125 Pallet cock
145 Dial rest
163/1 Center pipe
166 Casing clamp
180/1 Barrel complete with mainspring
195 Barrel arbor
200/1 Large driving wheel with cannon pinion
210 Third wheel
225 Fourth wheel
243 Cannon pinion without clam notch
260 Minute wheel
307/1 Regulator for adjustable stud holder
324 Incabloc upper
325 Incabloc lower
364 Stud holder for flat hairspring
368 Eccentric for hairspring stud holder
401 Winding stem
401/1 Winding stem long
404 Winding stem for waterproof case (movement portion)
407 Clutch wheel
410 Winding pinion
415 Ratchet wheel
417 Intermediate ratchet wheel
420 Crown wheel
423 Crown wheel core
424 Intermediate crown wheel
425 Click
430 Click spring
435 Yoke (clutch lever)
440 Yoke spring (set spring)
443 Setting lever (detent)
445 Setting lever spring (set bridge)
450 Double setting wheel
453 Additional setting wheel
462 Minute work cock
469 Hour wheel guard
523 Setting wheel spring
705 Escape wheel and pinion
710 Jewelled pallet fork and staff
714 Pallet staff
721 Balance with flat hairspring regulated
724 Incabloc balance staff, pivoted
730 Roller
1141 Lower bridge for automatic device
1142 Upper bridge for automatic device
1143/1 Oscillating weight with axel and bridge
1428 Stop click
1480 Winding-up wheel
1481 Reduction gear
1482 Driving gear for ratchet wheel
1500 Wig-wag pinion
1521 Coupling wheel mounted
2535 Date indicator guard
2543 Intermediate date wheel
2548 Setting wheel for date indicator wheel
2556/1 Date indicator driving wheel
2557/1 Date indicator, transferred
2558 Double-toothing hour wheel
2575 Date jumper spring
2576 Date jumper
8060 Driving wheel

SCREWS OF MOVEMENT

5110 Train wheel bridge screw
5121 Balance cock screw
5424 Screw for intermediate crown wheel
5125 Pallet cock screw
5462 Screw for minute work cock
51131 Screw for oscillating weight bridge
51141 Screw for lower automatic bridge
51142 Screw for upper automatic bridge
5166 Casing clamp screw
5415 Ratchet whell screw
5417 Intermediate ratchet wheel screw
5420 Crown wheel screw
5425 Click screw
5443 Setting lever screw
5445 Screw for setting lever spring
5738 Hairspring stud screw
5750 Dial screw
52535 Screw for date indicator guard

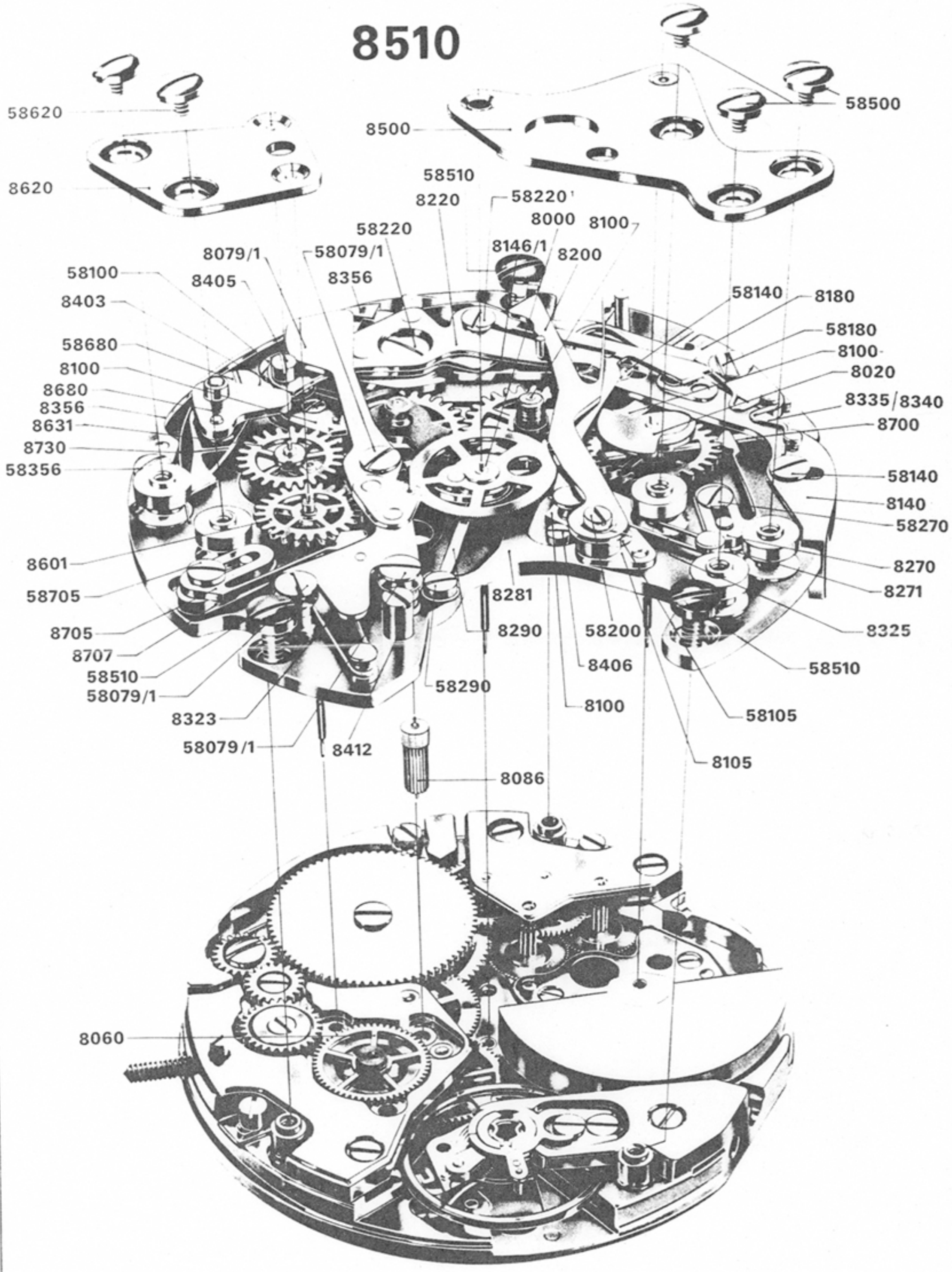
SPARE PARTS OF CHRONOGRAPH

8000 Chronograph runner mounted
8020 Minute-recording runner mounted
8079/1 Coupling cluth mounted for oscillating pinion
8086 Oscillating pinion
8100 Sliding gear mounted
8105 Sliding gear bridge
8140 Operating lever mounted, 2 functions
8146/1 Reverser mounted, 2 functions
8180 Fly-back lever (zero action)
8200 Blocking lever, 2 functions
8220 Hammer mounted, 2 functions
8270 Minute and hour recording jumper
8271 Rest for minute-recording jumper (thin)
8281 Plate for chronograph mecanism no mounted
8290 Friction spring for chronograph runner
8323 Coupling clutch spring for oscillating pinion
8325 Sliding gear spring, 2 functions
8335
8340 Operating and fly-back lever spring
8356 Hammer cam jumper
8500 Chronograph bridge
8510 Plate for chronograph mounted
8601 Hour-recording wheel
8620 Hour recorder bridge
8631 Connecting wheel for hour recorder with heart
8680 Hour hammer
8700 Connecting plate
8705 Hour-recording jumper
8707 Rest for hour-recording jumper (thick)
8730 Hour hammer spring

SCREWS OF CHRONOGRAPH

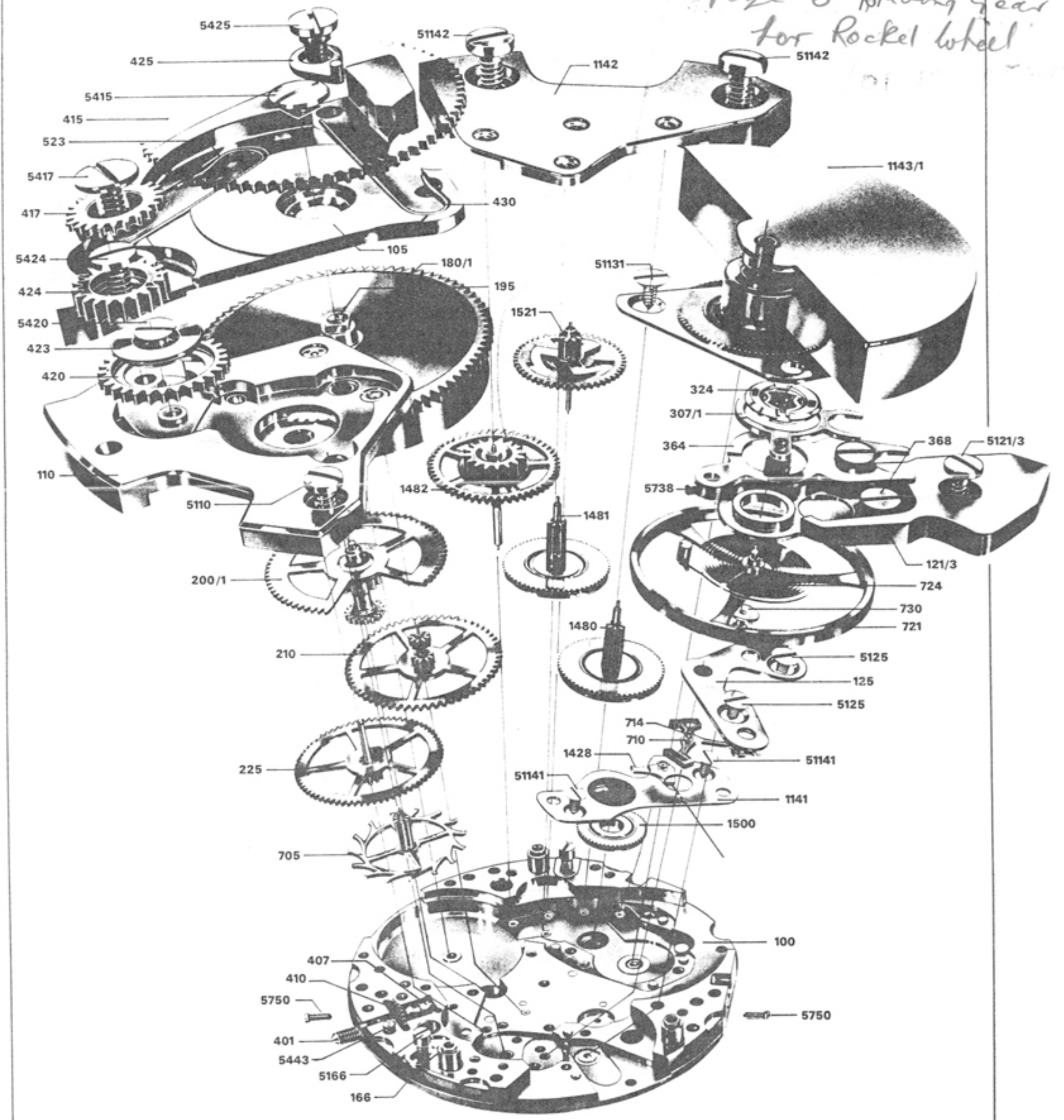
58079/1 Coupling clutch screw
58140 Operating lever screw
58680 Hour hammer screw
58100 Sliding gear screw
58220 Hammer screw
58105 Screw for sliding gear bridge
58180 Fly-back lever screw
58200 Blocking lever screw
58270 Minute-recording jumper screw
58356 Screw for hammer cam jumper
58500 Chronograph bridge screw
58620 Screw for hour recorder bridge
58510 Screw for plate of chronograph mecanism
58290 Friction spring screw
58705 Hour-recording jumper screw
8403 Eccentric for pivoting of sliding gear
8406 Finger-depth eccentric
8405 Uncoupling eccentric for coupling clutch
8412 Banking eccentric for coupling clutch of oscillating pinion
58220[1] Regulating screw for hammer

8510



VIEW OF THE BASIC MOVEMENT AND THE CHRONOGRAPH PLATE

wheel required 1482
see Page 6 Driving Gear for Rocket wheel



EXPLODED VIEW OF THE MOVEMENT ON THE BRIDGE SIDE

Technical characteristics and description of the Chronomatic

1. TECHNICAL CHARACTERISTICS

The CHRONOMATIC is a chronograph with self-winding mechanism, and day of the month indication, 17 jewel lever movement. The casing diameter is 31.00 mm (13¾‴), overall height 7.70 mm. It comprises two essential elements which are totally independent:

- the basic movement comprising the self-winding and calendar mechanism;
- the chronograph plate carrying the whole of the chronograph mechanism including the hour recorder.

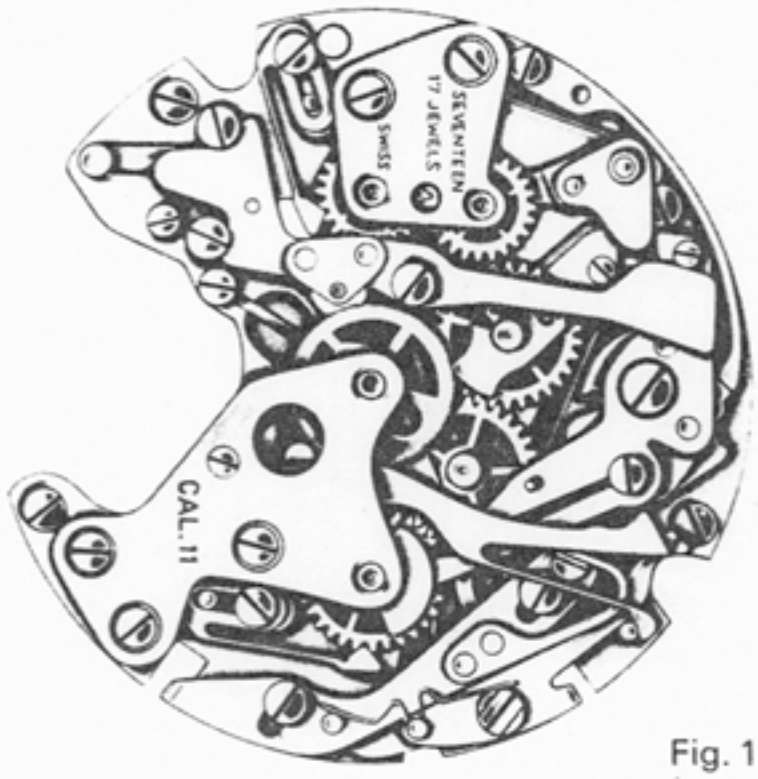


Fig. 1

1.1 The basic movement

Overall height 4.60 mm. 19,800 vibrations per hour. Glucydur plain balance with self-compensating balance spring. Incabloc shock absorbers. Unbreakable mainspring.

1.2 The chronograph plate

Overall height 3.10 mm, total diameter 30.80 mm. Mechanism with semi-instantaneous minute and hour recorders with two button control. Starting and stopping of the sweep hand by the push-piece at 2 o'clock, return to zero by the push-piece at 4 o'clock.

2. DESCRIPTION

Three pillars on the basic movement assure, with the aid of three screws, the orientation and attachment of the chronograph plate which is superposed on it. An opening made in this latter allows access to the regulating elements of the CHRONOMATIC.

2.1 The chronograph plate

The chronograph mechanism including the second, minute and hour recorders, has the special feature of being entirely mounted on the chronograph plate; securing of this latter is effected by three blue headed screws which are easily recognized. The mechanism is of the cam type i.e. no column wheel. This controlling cam has an alternate motion, carrying out in addition the function of return to zero hammer for the minute recorder and centre seconds hands, assuring the functions of engagement, the hour recorder hammer and brake. As fig. 1 shows, the whole of the unit is positioned with the exception of the oscillating pinion and its driving wheel, on one side of the chronograph plate.

Fig. 2