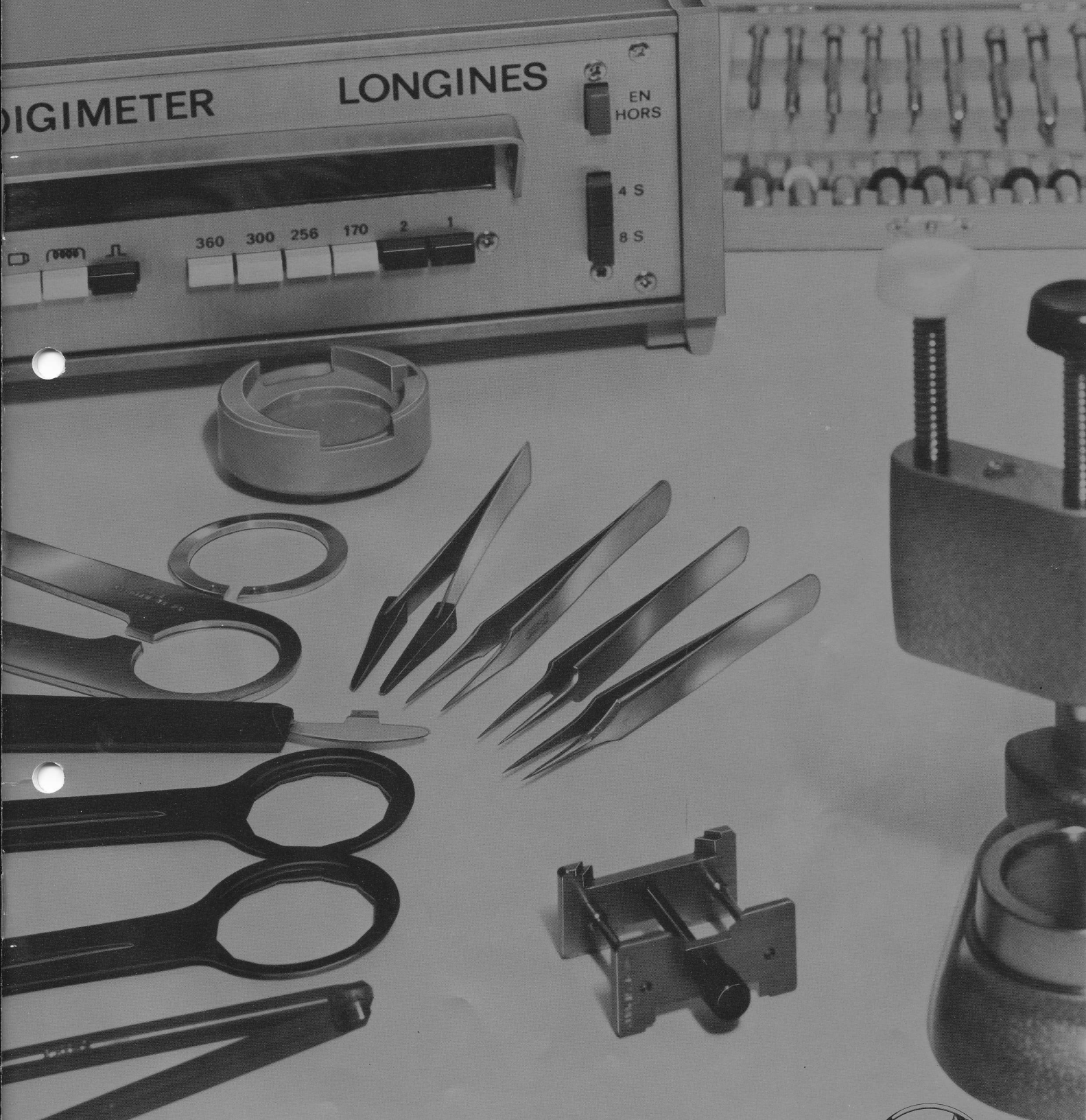
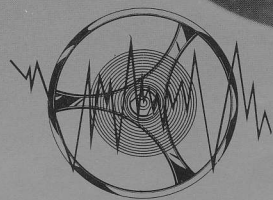


Caliber L 817.4



LONGINES



Caliber L 817.4

Without second

Round 6³/₄" movement

Hand winding

Lever escapement

17 jewels

21,600 vibrations per hour



1. Presentation

This movement is an improved version of our caliber 460, from which it differs in so far as it incorporates a certain number of functional improvements including, in particu-

lar, the addition of a micrometer-screw rate-adjustment system of the "Triois" type.

2. General characteristics

2.1 Casing

Diameter 15.30 mm
Overall height 2.90 mm

2.4 Mainspring

Stainless
Self-lubricated

2.2 Balance

Annular, screwless
Protected by shock-absorber system
Lift angle 51°

2.5 Run reserve

44 hours

2.3 Hairspring

Non-magnetic
Self-compensating

2.6 Rate adjustment

Triovis system

3. Technical description and instructions

3.1 Motor organ

The barrel cover is marked «Mainspring self-lubricated». The self-lubricated, practically unbreakable mainspring of stainless alloy requires no attention. In case of damage, the motor organ should be replaced with a complete barrel supplied by the factory (reference No. L 817.4 – 180/1).

3.4 Regulating organ

The screwless monometal balance, coupled with a self-compensating hairspring which is insensitive to variations of temperature and ordinary magnetic fields, ensures an excellent rate in actual wear. The balance pivots are protected by a shock-absorber system. The rate is adjusted by means of a Triovis device (see section 5).

3.2 Transmission organ

The train consists of four wheels with their pinions, all running in jewel bearings.

3.3 Escapement

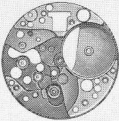
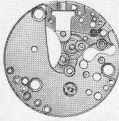



















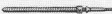





































The escapement is of the standard lever type. The steel escape wheel has 15 teeth.

3.5 Winding and hand-setting mechanism

The winding and setting functions are performed by a mechanism of the standard type. The winding-stem can be extracted by simply pressing the setting-lever axle. To replace it, simply press the crown.

3.6 Table of components, showing concordances

| No. | 460 | L 817.4 | Designation |
|--------|-----|---------|--------------------------------------------------------|
| 100 | X | | Main plate |
| 100 | | X | Main plate |
| 105 | X | X | Barrel bridge |
| 110 | X | | Train-wheel bridge |
| 110 | | X | Train-wheel bridge |
| 121/3 | X | X | Balance cock |
| 125 | X | X | Pallet cock |
| 180/1 | X | X | Barrel, complete (with mainspring) |
| 201 | X | X | Center wheel |
| 210 | X | X | Third wheel |
| 220 | X | X | Second wheel, short pivot |
| 240.1 | X | X | Indented cannon pinion, ht 185 |
| 240.2 | X | X | Indented cannon pinion, ht 205 |
| 240.4 | X | X | Indented cannon pinion, ht 245 |
| 250.1 | X | X | Hour wheel, ht 92 |
| 250.2 | X | X | Hour wheel, ht 112 |
| 250.4 | X | X | Hour wheel, ht 152 |
| 260 | X | X | Minute wheel |
| 307 | | X | Triois device, complete |
| 307/1 | X | | Regulator for adjustable stud support, flat hairspring |
| 324 | | X | Upper "Incabloc" |
| 325 | | X | Lower "Incabloc" |
| 364 | X | | Stud support for flat hairspring |
| 370 | X | | Upper "Kif" |
| 371 | X | | Lower "Kif" |
| 401 | X | X | Winding-stem |
| 404 | X | X | Stem for water-resistant case (movement portion) |
| 407 | X | X | Sliding pinion |
| 410 | X | X | Winding-pinion |
| 415 | X | X | Ratchet wheel |
| 420 | X | X | Crown wheel |
| 423 | X | X | Crown-wheel core |
| 425 | X | X | Click |
| 430 | X | X | Click spring |
| 435 | X | X | Yoke |
| 440 | X | X | Yoke spring |
| 443 | X | X | Setting-lever |
| 445 | X | X | Setting-lever spring |
| 450 | X | X | Setting-wheel |
| 705 | X | X | Escape wheel |
| 710 | X | X | Pallets, assembled |
| 721 | X | | Balance with flat hairspring |
| 721 | | X | Balance with flat hairspring |
| 963 | X | X | Stem for water-resistant case (crown portion) |
| 5101 | X | X | Case screw (1050.53) |
| 5105 | X | X | Barrel-bridge screw (1060.49) |
| 5110 | X | X | Screw for train-wheel bridge (1060.49) |
| 5121/3 | X | X | Balance-cock screw (1060.49) |
| 5125 | X | X | Pallet-cock screw (1060.50) |
| 5415 | X | X | Ratchet-wheel screw (16050.0) |
| 5423 | X | X | Screw for crown-wheel core (1050.54) |
| 5425 | X | X | Click screw (1060.51) |
| 5445 | X | X | Screw for setting-lever spring (1050.55) |
| 5738 | | X | Stud screw (1040.38) |
| 5738/1 | X | | Stud screw (1040.19) |
| 5750 | X | X | Dial screw (1050.56) |
| 601 | X | X | Center-wheel jewel, upper (202501) |
| 602 | X | X | Center-wheel jewel, lower (204130) |
| 605 | X | X | Third-wheel jewel, upper (201213) |
| 606 | X | X | Third-wheel jewel, lower (201203) |
| 610 | X | X | Second-wheel jewel, upper (201213) |
| 611 | X | X | Second-wheel jewel, lower (201203) |
| 615 | X | X | Escape-wheel jewel, upper (201011) |
| 616 | X | X | Escape-wheel jewel, lower (201005) |
| 620 | X | X | Pallet-staff jewel, upper (201002) |
| 621 | X | X | Pallet-staff jewel, lower (201005) |

| | | | | | | | | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |  | |
| 100 | 105 | 110 | 110 | 121/3 | 125 | 180/1 | 201 | 210 | | |
|  |  |  |  |  |  |  |  |  |  |  |
| 220 | 240 | 250 | 260 | 307 | 307/1 | 324 | 325 | 364 | 370 | 371 |
|  |  |  |  |  |  |  |  |  |  | |
| 401 | 404 | 407 | 410 | 415 | 420 | 423 | 425 | 430 | 435 | |
|  |  |  |  |  |  |  |  | | | |
| 440 | 443 | 445 | 450 | 705 | 710 | 721 | 963 | | | |
|  |  |  |  |  |  |  |  |  |  | |
| 105053 (5101) | 106049 (5105) (5110) (5121/3) | 106050 (5125) | 160500 (5415) | 105054 (5423) | 106051 (5425) | 105055 (5445) | 104038 (5738) | 104019 (5738/1) | 105056 (5750) | |
|  |  |  |  |  |  |  |  |  |  | |
| 202501 (601) | 204130 (602) | 201213 (605) | 201203 (606) | 201213 (610) | 201203 (611) | 201011 (615) | 201005 (616) | 201002 (620) | 201005 (621) | |