

- 3.1.9. Fit the hammer, lubricate its pivoting-point, screw it tight and check its shake, which should be slight.
- 3.1.10. Fit the hammer-cam jumper and screw it tight. Check: the working of the reverser (fig. 13) by moving the operating-lever;

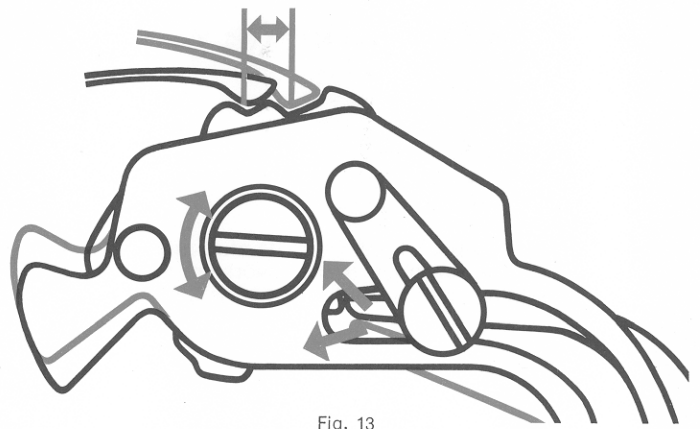


Fig. 13

the return-to-zero action of the hearts by moving the fly-back lever (fig. 14).

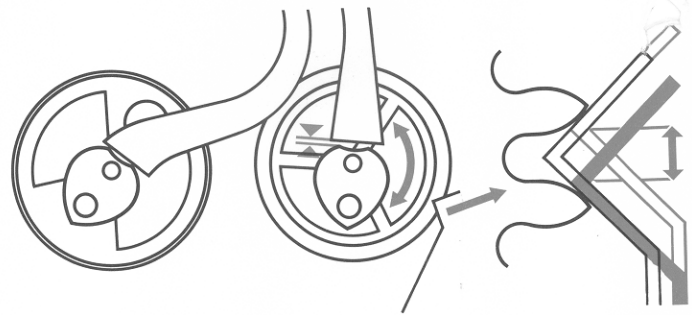


Fig. 14

- 3.1.11. Fit the coupling-clutch and screw it tight, taking care first of all to lubricate the lower coupling-wheel pivot. Check the action of the coupling-clutch, which should be perfectly free.
- 3.1.12. Fit the driving-wheel, which should be flush with the coupling-wheel.
- 3.1.13. Check the depth of the gearing (fig. 15).

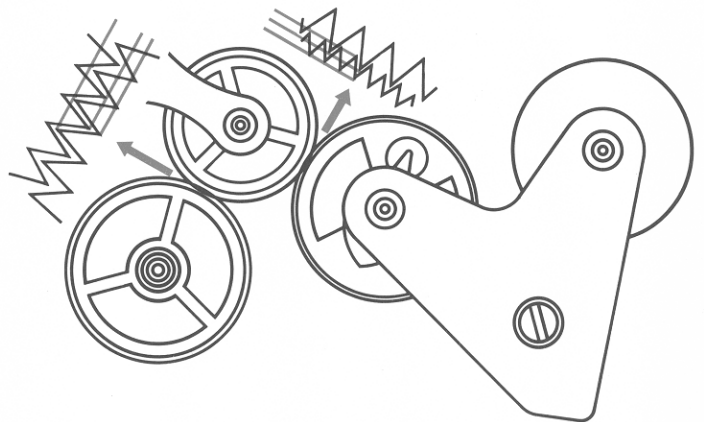
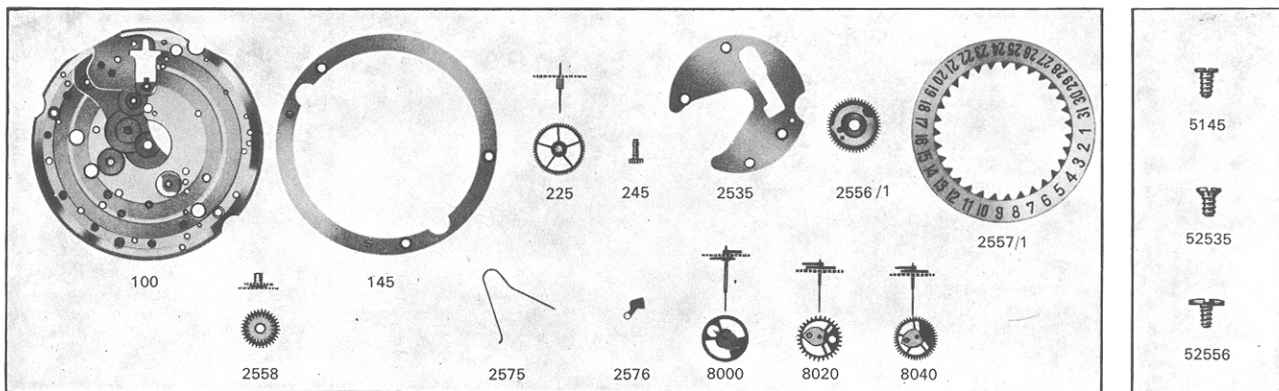


Fig. 15

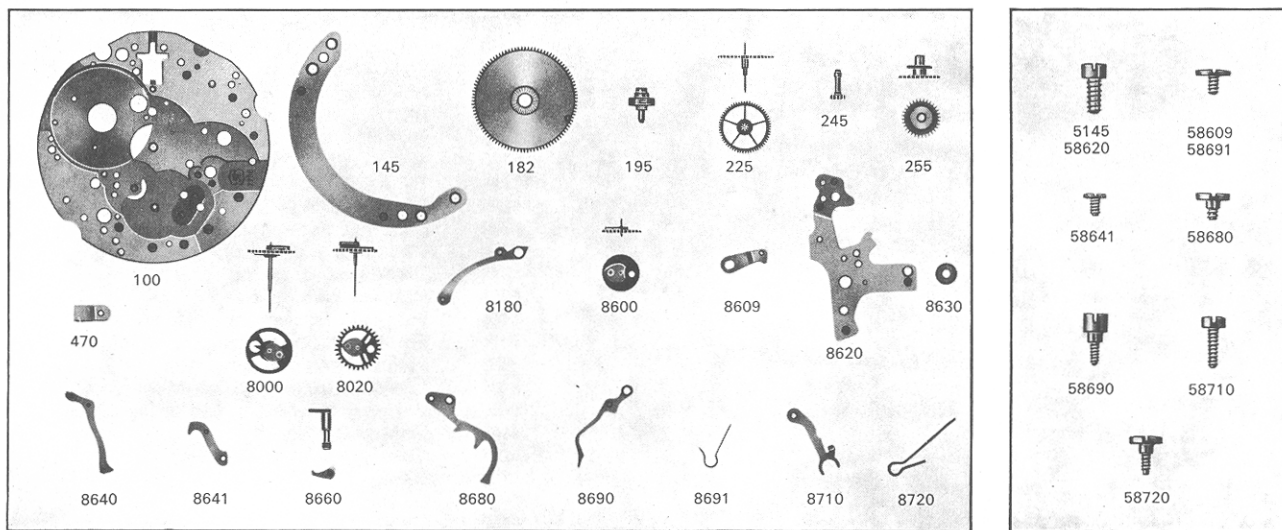
Special components for the date-indicator mechanism of caliber 7734



No. LIST OF MATERIALS

100	Plate	2575	Date jumper spring
145	Dial rest	2576	Date jumper
225	Fourth wheel, two long pivots	8000	Chronograph runner, mounted, 30 m
245	Cannon pinion	8000/3	Chronograph runner, mounted, 45 m
2535	Date indicator guard	8020	Minute-recording runner, mounted, 30 m
2556/1	Date indicator driving wheel, mounted	8040	Minute-recording runner, mounted, 45 m
2557/1	Date indicator for flat dial, transferred	5145	Dial rest screw
2558	Double-toothing hour wheel	52535	Screw for date indicator guard
		52556	Screw for date indicator driving wheel

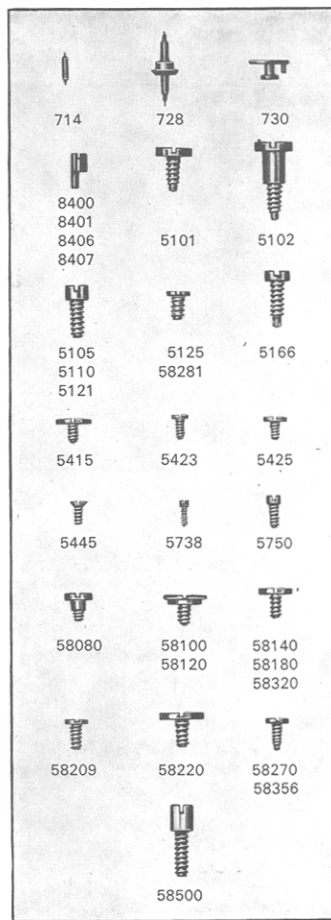
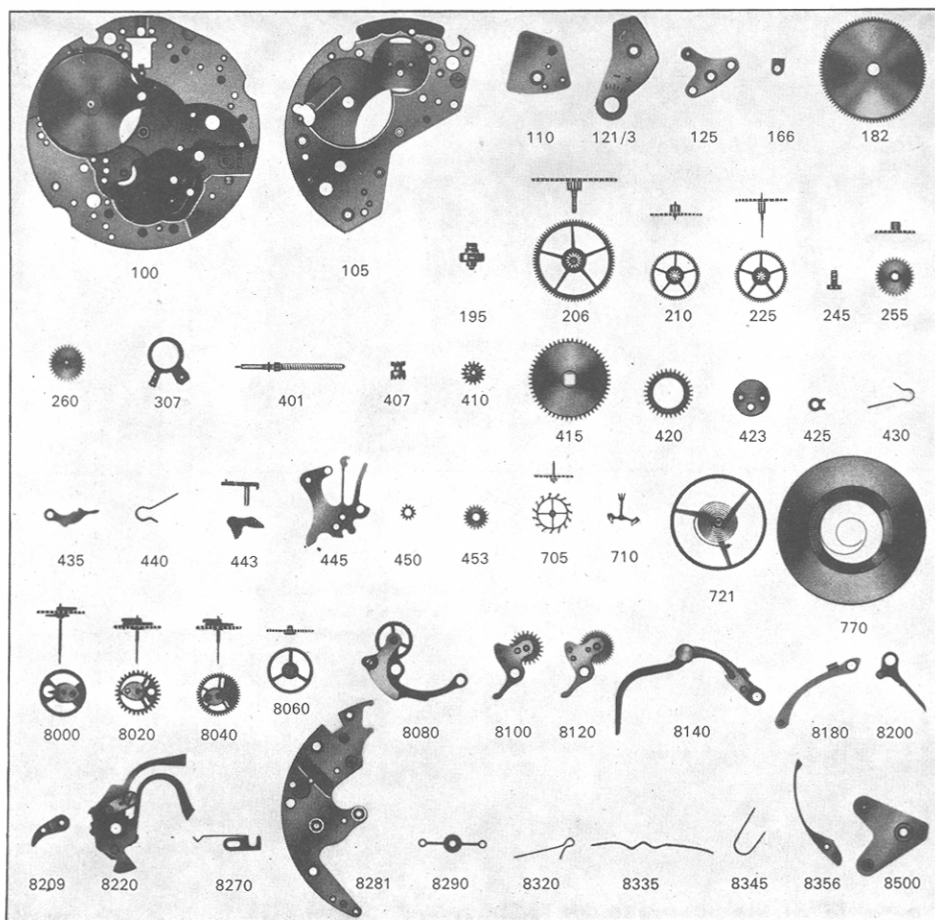
Special components for the hour-recorder (12 hours) of caliber 7736



No. LIST OF MATERIALS

100	Plate	8640	Switch
145	Dial rest	8641	Switch lid
182	Barrel and cover	8660	Detent with arbor
195	Barrel arbor	8680	Hour hammer
225	Fourth wheel, two long pivots	8690	Hour recorder stop lever
245	Cannon pinion	8691	Spring for hour recorder stop lever
255	Hour wheel	8710	Friction spring for driving pinion
470	Winding pinion guard	8720	Conveyor spring
8000	Chronograph-runner, mounted, 30 m	5145	Dial rest screw
8020	Minute-recording runner, mounted, 30 m	58609	Conveyor screw
8180	Fly-back lever (zero action)	58620	Screw for hour recorder bridge
8600	Hour-recording runner, mounted	58641	Switch lid screw
8609	Conveyor	58680	Hour hammer screw
8620	Hour recorder bridge	58690	Hour recorder stop lever screw
8630	Driving pinion	58691	Screw for spring for hour recorder stop lever
		58710	Friction spring screw for driving pinion
		58720	Conveyor spring screw

Components of basic caliber No. 7733



No. LIST OF MATERIALS

100	Plate	8120	Sliding gear, mounted, 45 m
105	Barrel bridge	8140	Operating lever, mounted
110	Train wheel bridge	8180	Fly-back lever
121/3	Balance cock for stud holder and for shock-protecting device, flat hairspr.	8200	Blocking lever
125	Pallet cock	8209	Blocking lever lid
166	Casing clamp	8220	Hammer mounted
182	Barrel and cover	8270	Minute-recording jumper
195	Barrel arbor	8281	Plate for chronograph mechanism
206	Center wheel	8290	Friction spring for chronograph runner
210	Third wheel	8320	Coupling clutch spring
225	Fourth wheel	8335	Operating and fly-back lever spring
245	Cannon pinion	8345	Blocking lever spring
255	Hour wheel	8356	Hammer cam jumper
260	Minute wheel	8400	Eccentric for pivoting of coupling clutch
307	Regulator with adjustable stud holder, for flat hairspring	8401	Banking eccentric for coupling clutch
401	Winding stem	8406	Finger-depth eccentric
407	Clutch wheel	8407	Eccentric for minute-recording jumper
410	Winding pinion	8500	Chronograph bridge
415	Ratchet wheel	5101	Case screw (short)
420	Crown wheel	5101	Case screw (long)
423	Crown wheel core	5102	Case screw, special
425	Click	5105	Barrel bridge screw
430	Click spring	5110	Train wheel bridge screw
435	Yoke	5121	Balance cock screw
440	Yoke spring	5125	Pallet cock screw
443	Setting lever	5166	Casing clamp screw
445	Setting lever spring	5415	Ratchet wheel screw
450	Setting wheel	5423	Screw for crown wheel core
453	Additional setting wheel	5425	Click screw
705	Escape wheel and pinion with straight pivots	5445	Screw for setting lever spring
710	Jewelled pallet fork and staff	5738	Hairspring stud screw
714	Pallet staff	5750	Dial screw
721	Balance with flat hairspring, regulated	58080	Coupling clutch screw
728	Balance staff for shock-protecting device	58100	Sliding gear screw, 30 m
730	Roller	58120	Sliding gear screw, 45 m
770	Mainspring	58140	Operating lever screw
8000	Chronograph runner, mounted, 30 m	58180	Fly-back lever screw
8000/3	Chronograph runner, mounted, 45 m	58209	Screw for blocking lever lid
8020	Minute-recording runner, mounted, 30 m	58220	Hammer screw
8040	Minute-recording runner, mounted, 45 m	58270	Minute-recording jumper screw
8060	Driving wheel	58281	Screw for plate of chronograph mechanism
8080	Coupling clutch, mounted	58320	Screw for coupling clutch spring
8100	Sliding gear, mounted, 30 m	58356	Screw for hammer cam jumper
		58500	Chronograph bridge screw

3.1.14. Lubricate (fig. 16).



Fig. 16

3.2. Assembling the hour-recorder mechanism of caliber 7736

- 3.2.1. Fit the hour-recorder stop lever and screw it tight.
- 3.2.2. Fit the switch underneath the hour-recorder bridge.
- 3.2.3. Fit the conveyor on to the detent arbor and on to the switch stud and screw it tight.
- 3.2.4. Fit the switch lid and screw it tight.
- 3.2.5. Fit the conveyor spring and screw it tight.
- 3.2.6. Fit:

the driving-pin friction spring, the winding-pin guard; then screw the whole assembly tight.

Make sure that the parts work correctly.

- 3.2.7. Fit the hammer on to its stud and tighten its screw.
- 3.2.8. Fit the cannon pinion (lubricating the center-wheel arbor) and the hour wheel.
- 3.2.9. Lubricate (fig. 17).

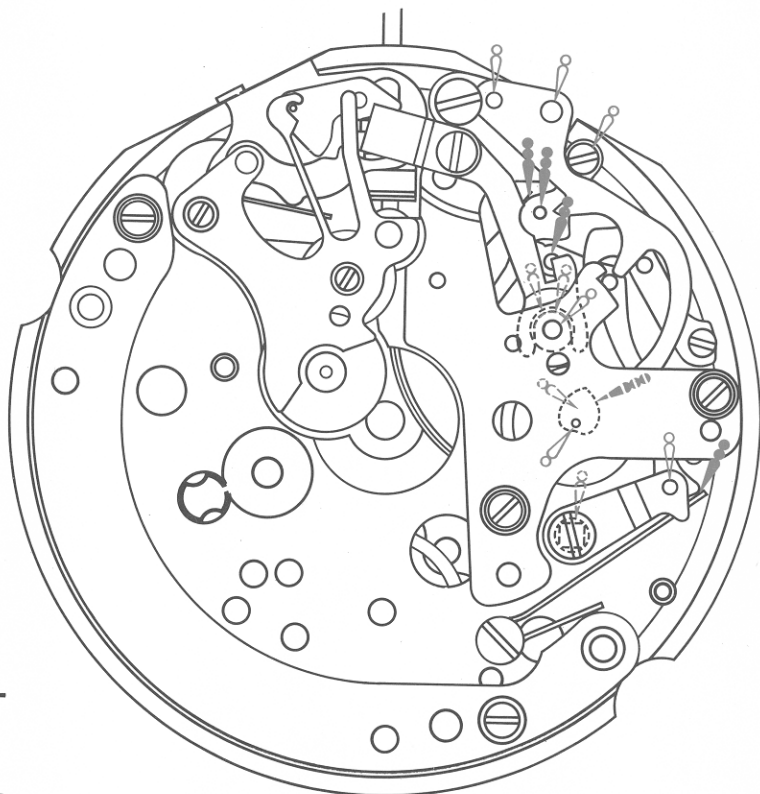


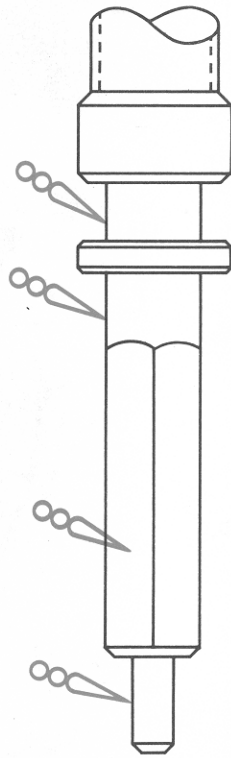
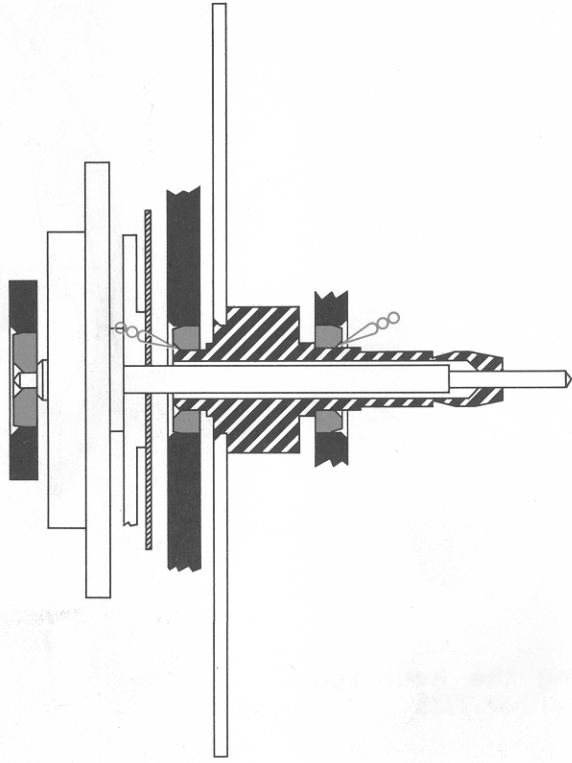
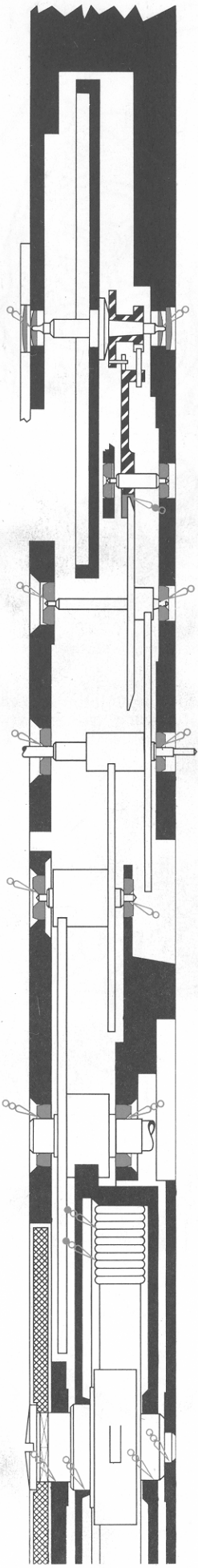
Fig. 17






3.3. Assembling the date-indicator mechanism of caliber 7734

- 3.3.1. Fit:
 - the cannon pinion (making sure to lubricate the center-wheel pivot),
 - the hour wheel,
 - the dial rest and tighten its three screws,
 - the date-indicator,
 - the date-indicator driving-wheel and screw it tight,
 - the date jumper.

- 3.3.2. Fit the date-indicator guard and screw it tight.
- 3.3.3. Fit the date-jumper spring.
- 3.3.4. Check the working of the mechanism.

Lubrication plan



-  Fine oil
-  Thick oil or grease
-  Special grease for mainspring
-  Special oil for pallet stones
-  Special grease for mechanism