

**SELF-WINDING CALIBRE
WITH CALENDAR AND DAY OF THE WEEK MECHANISM
751
27.90 RA SC PC CALD CORR AM Bull. 24j**

ø 27.90 mm	
height at rotor	5.70 mm
Jewel number Frequency	24 19'800 A/h



This new self-winding movement is the same as those of calibres 550 and 565, except that it is fitted with a calendar device indicating the day of the week as well as the date.

Measurements

Total diameter 28.40 mm

Casing-diameter 27.90 mm

Height at rotor 5.70 mm

Diameter of screw pitch of winding-stem 0.90 mm

No. of vibrations

19'800 per hour

Ebauche

Consists of:

- 1 bridge for barrel and centre-wheel
- 1 bridge for third wheel, fourth wheel and escape-wheel 1 pallet cock
- 1 balance cock
- 2 bridges for the self-winding mechanism, forming a block independent of the movement
- 1 printed date-indicator
- 1 calendar plate
- 1 printed day disc

Movement finish

Pink gilt with large wavy design, diamond-polished bevels

Jewelling

24 jewels as follows:

19 olive jewel-holes at gear-train, escapement and upper and lower bridges of the self-winding mechanism

2 cap-jewels at balance-wheel

2 pallet-jewels and 1 impulse-pin

1 beryllium bronze bushing at upper pivoting-point of the barrel arbor in the barrel-bridge

PARTIAL VIEW OF CALENDAR WITH DAY OF THE WEEK



ASSEMBLING THE DATE AND DAY CALENDAR MECHANISM

After assembling the date mechanism as for calibre 563, the day of the week device should be mounted as follows:

Before placing the day disc in position, bring the date driving-finger exactly into contact with the

tooth of the indicator, this to be done by turning the windingstem in the hand-setting position.

Locate the finger driving the day star in the position indicated in the sketch below. Fit the day disc and the minute-hand.

Check that the jumps of the day and the date indicators take place at the same time.

Correct the position of the driving-finger if there is a difference of more than 5 minutes, by introducing a screw-driver in the opening provided for this purpose.

Place in position the flexible washer and the dial.

By turning the winding-stem, actuate the hand-setting mechanism. Stop turning immediately the first jump takes place.

Fit the hands at midnight and check that the day and the date changes take place between 23 Hours 55 Minutes and 00 Hours 15 Minutes.

Finger driving the date-indicator

Finger driving the day star

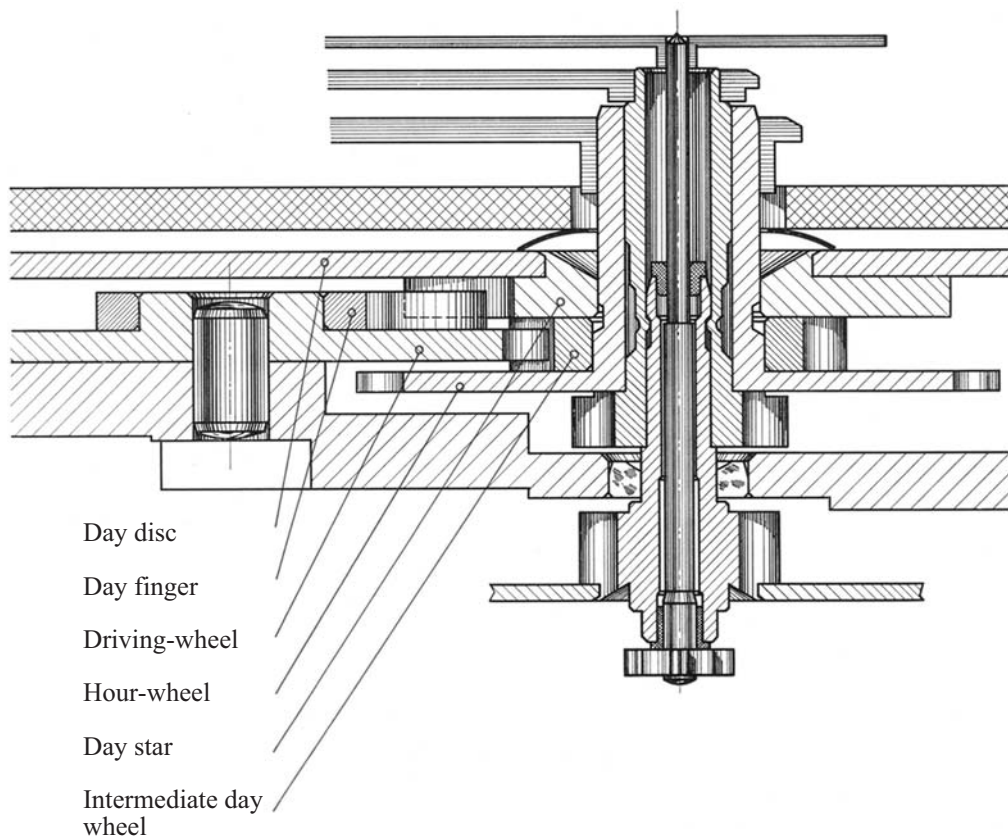
Guide-mark for the driving-finger



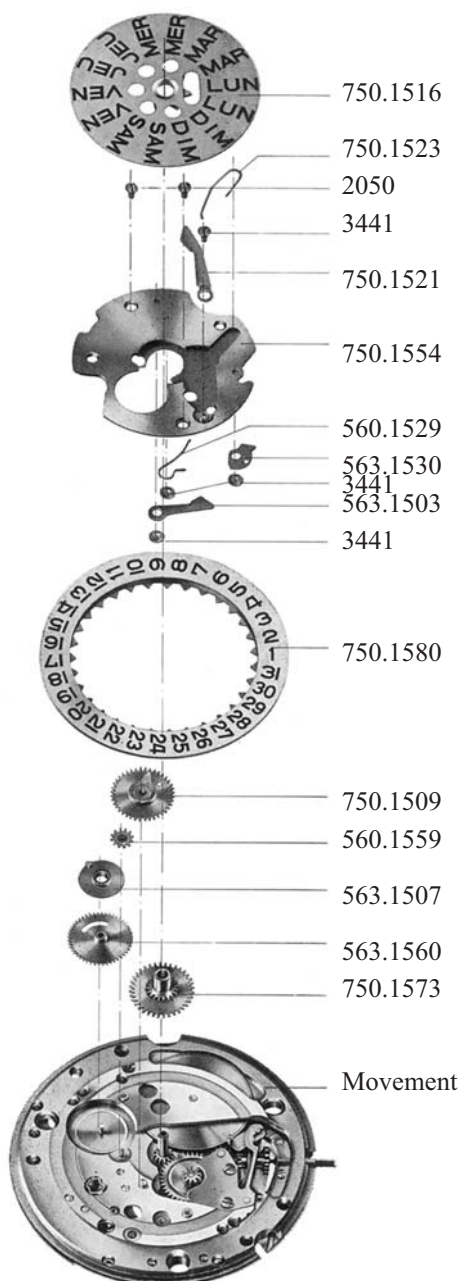
FUNCTIONING OF THE DAY DISC

Driven into the hour-wheel, the intermediate day wheel which has 20 teeth meshes with the driving-wheel of the day star which has 40 teeth. This driving-wheel has a finger that meshes with the day star which is set under the day disc.

The passage from one day to the next lasts roughly 1 hour 40 minutes, starting at 22 Hours 20 Minutes and finishing at 24 Hours.



BREAKDOWN OF THE CALENDAR MECHANISM WITH DAY OF THE WEEK



Located between the dial and the movement, the calendar mechanism with day of the week is composed of the following parts:

Assembled day star and day disc 750.1516.

The screw 3441 fixes the day star jumper 750.1521 which is held in position by the day jumper spring 750.1523.

The two screws 2050 fix the calendar plate 750.1554 to the movement.

The screw 3441 fixes the date-corrector 563.1530 on the calendar plate 750.1554.

The two screws 3441 fix the date jumper 563.1503 and the date jumper spring 560.1529 to the calendar plate 750.1554.

The date-indicator 750.1580.

The finger 563.1507 is fitted on the driving-wheel of the date-indicator 563.1560; the driving-wheel of the day star 750.1509, the double intermediate wheel of the calendar 560.1559 and the hour-wheel with the intermediate day-wheel 750.1573 are fitted to the movement.

OILING THE DATE AND DAY CALENDAR MECHANISM

Before oiling all parts should be absolutely clean:

Pivoting-points of the double intermediate calendar wheel at bottom-plate

Pivoting-point of the (late-indicator driving-wheel at bottom-plate

Pivoting-point of the date jumper at calendar plate

Inclined faces of the beak of date-jumper.

Pressure-point of spring on date-jumper

Pivoting-point of the date-corrector and under the head of its screw

Pivoting-point of the day driving-wheel

Pivoting-point of the day jumper

Inclined faces of the day jumper

Day jumper spring

Seat of the day star

USE THE OIL: Synta-visco-lube

IMPORTANT

Watchmakers are recommended to get their supplies of oils and lubricants from the Omega General Agent, for he alone disposes of products that undergo frequent quality tests in the factory's laboratories.