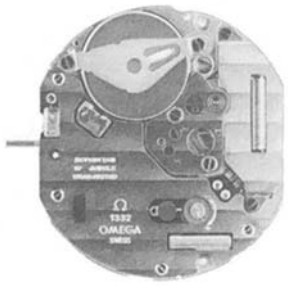
OMEGA

A COMPANY OF THE SWATCH GROUP

CALIBRE
1332
R 25.6 Q SCS CAL CORH CORM CORS 17 jewels

ϕ 28.00 mm	
Movement height	2.90 mm
Jewel number Frequency	17 32'768 A/h



GENERAL DESCRIPTION :

DISPLAY : Analog, (hands)

FUNCTIONS Hours, minutes, seconds and date

CORRECTIONS A pusher situated et 2 o'clock sets the minutes and seconds, the hour and the date is corrected with the crown.

VARIATION DURING WEAR : Better than + 5 seconds per month (adjusted to this rate if necessary)

SHOCK RESISTANCE Shocks conforming to NIHS : norms, residual effect rectifiable through adjustment system

RESISTANCE TO MAGNETIC FIELDS Better than 30 Oe

TEMPERATURE FUNCTIONING LIMITS From 0 to 60° C

RUNNING TIME typical 2 years

CONSUMPTION Maximum 2.7 µA

MINIMUM OPERATING TENSION 1.35 V

YEAR OF CONSTRUCTION 1979
DIMENSIONS Diameter 28,00 mm
Height 2,90 mm

BATTERY :

TYPE Silver oxyde - zinc (LOW DRAIN)

DIAMETER 11,60 mm

HEIGHT 2,10 mm

TENSION 1,55 V

CAPACITY 50 mAh

REFERENCE SSIH 9922

ELECTRONIC MODULE :

TYPE OF RESONATOR Quartz - tuning fork

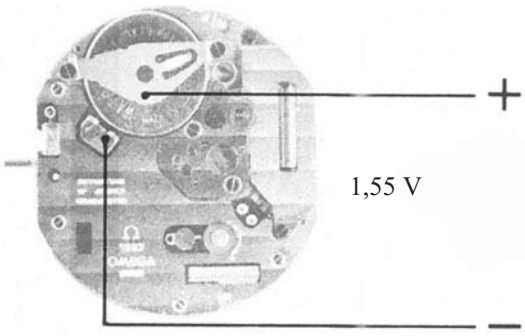
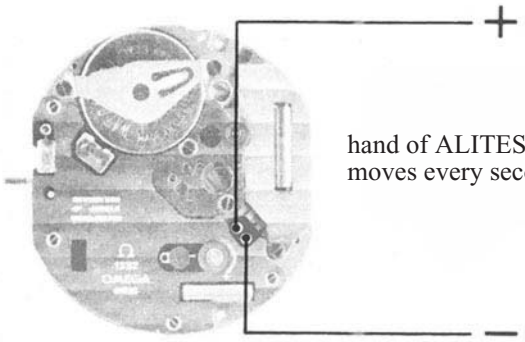
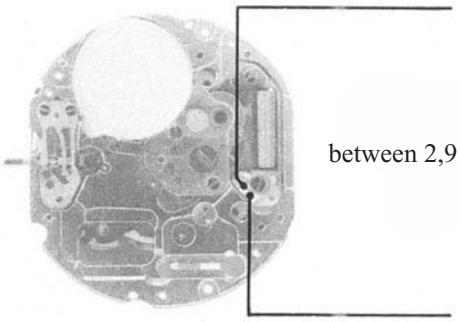
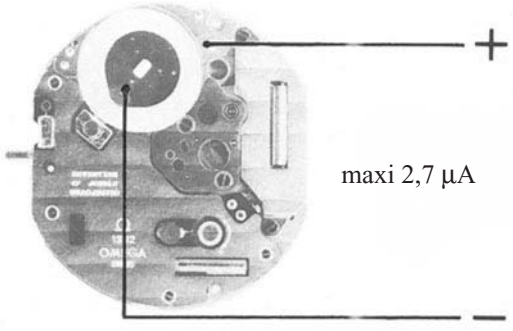
FREQUENCY 32768 Hz

RATE ADJUSTMENT, TYPE Trimmer

MOTOR

TYPE Electro-magnetic, stop-by-stop motor, field in line with axle, flat (8 steps par turn)

CONCEPTION Integrated, to be dismantled

DIAGNOSIS	MEASURES	ALITEST
CHECKING OF BATTERY, battery fitted		
	1,55 V	probes on "input" Key **V Ext**
CHECKING OF MOTOR IMPULSES, battery fitted		
	hand of ALITEST moves every second	probes on "input" Key **V Ext**
RESISTANCE OF MOTOR COIL, without battery		
	between 2,9 and 3,9 KΩ	probes on "input" Key **KΩ**
CONSUMPTION, without battery		
	maxi 2,7 µA	probes on "output" Keys µ**A 1.55 V**
MINIMUM VOLTAGE, without battery	≦ 1,35 V	**V Uadj Uadj**

1. DISASSEMBLING

Order of operations:

hands-dial battery-electronic module quartz earth clamp upper magnetic screen-wheel train coil-mechanism calendar

2. CLEANING

Dry cleaning:

battery-electronic module coil-magnetic components (marked with the symbol of a magnet in the assembling order)-date indicator

Note: The positioning magnets 1332.9312 located on the second and center wheels must be removed (for example, by means of another magnet or with "Rodico" paste). These 2 wheels can then be cleaned in the usual baths provided they have been demagnetized after removal of the 2 magnets. After the cleaning operation, the magnets should be replaced in such a way that the wheels, once in position, tend to recoil. If this is not the case, they should be separated and either of the 2 magnets turned over.

Cleaning in the usual baths:

wheel train-mechanism-bridge-plate-clamps-etc.

3. ASSEMBLING + LUBRICATION

Order of operations:

see following page.

Lubrication:


1.03 (Synta-Visco-Lube)


2.01 (Moebius lubrifiant spécial 8200)


2.15 (Fomblin water-resistant gaskets)

The magnetic components are denoted by this symbol (magnet): 

Note:

11* see remark under "Cleaning"

14* steel pinion at top

16* oiling upper and lower side

29* the 2 constituent parts of the minute wheel form a whole which should in no case be disconnected

32* if the rapid hour and date corrector does not work, the orientation of the wheel train of the date changing mechanism must be corrected.

4. CHECKING AND ADJUSTMENT

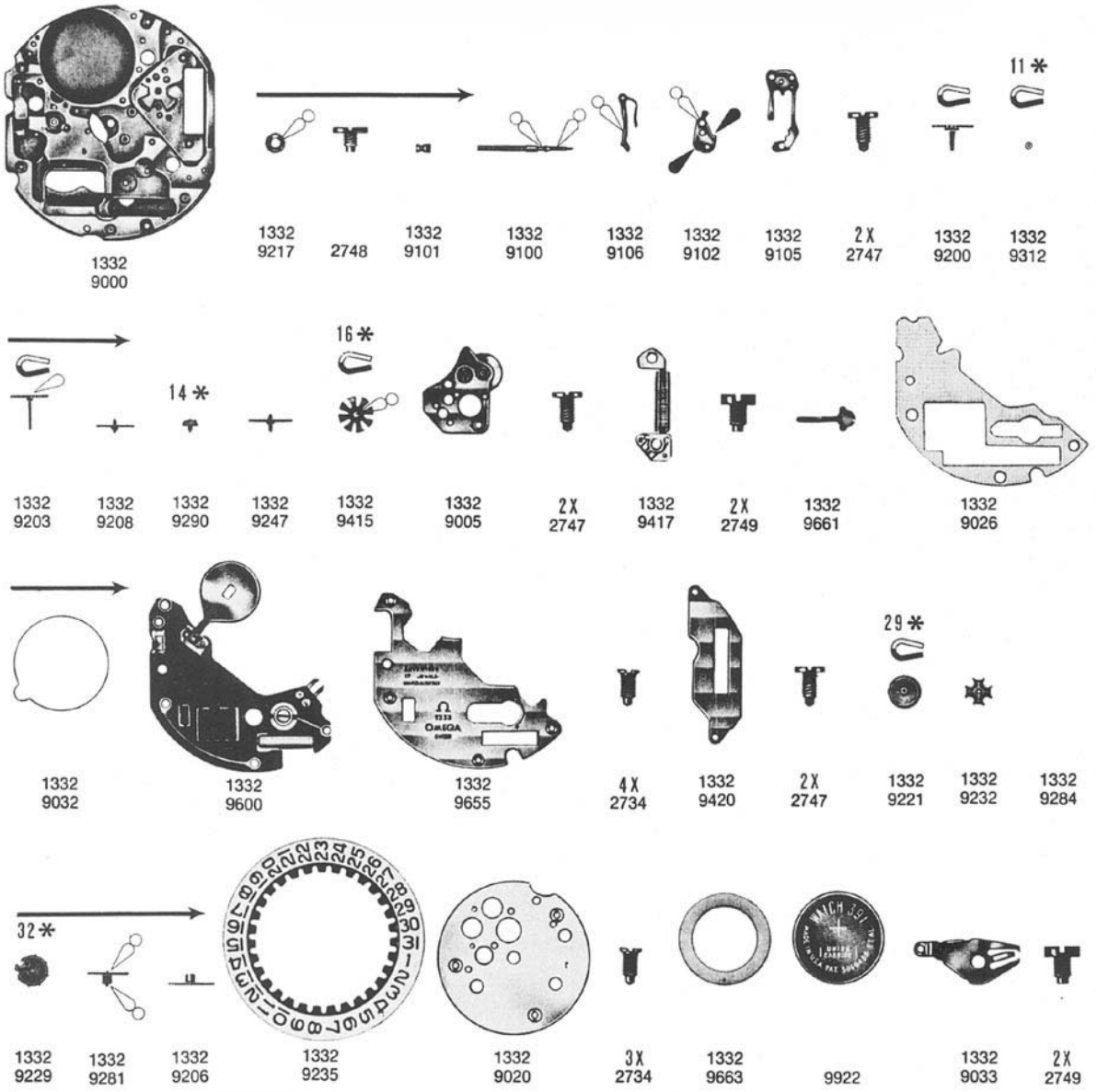
consumption: $\leq$ 2.7 µA

minimum functioning voltage: $\leq$ 1.35V

adjustment: back open or closed: + 0.20 s/d

ORDER OF ASSEMBLING

(In the sense as indicated)

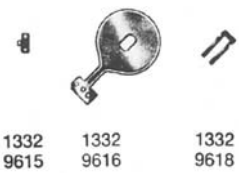


*see remarks chapter 3

Screw for casing clamp

Screw for dial

All the other parts are not, as a rule, disassembled. They can nevertheless be obtained as spares for possible replacement.



Note

In the event of replacement, the following parts must be soldered very carefully with particular attention to positioning and without causing extra thickness liable to touch either the module-cover (1632-9655) or the back of the case.

The part 1332.9618 must be cut lengthwise after soldering.