

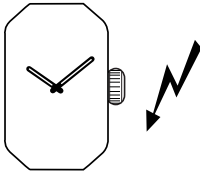


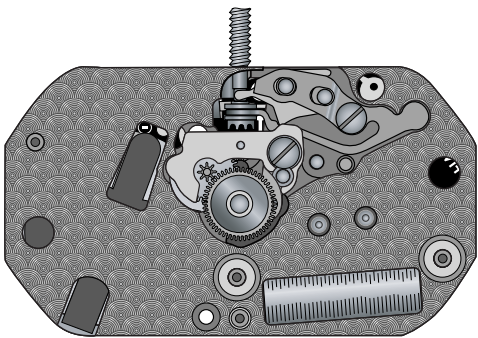
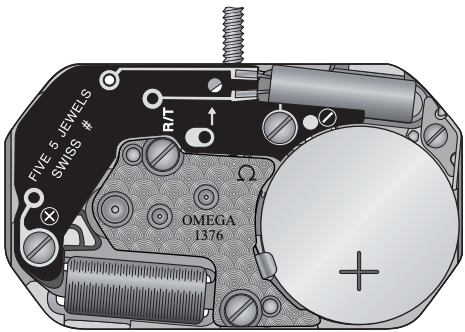
Omega 1376 Movement Parts (1)

Compiled by EmmyWatch - <https://www.emmywatch.com>

	Technical Guide			TG-19-C-047-E	C
	Made by: pelrom	Date: 03.08.2009	3	Modifications: See last page	

CALIBRE 1376

	Version A	Version B
3 3/4''' x 6 3/4''' Ø 9.00 x 15.15 mm		
Height on movement	1.80 mm	
Height on battery	2.05 mm	
Number of rubies	5	
RoHS model	No	Yes



Omega personalised quartz movement, featuring circular graining, rhodium-plating and gilded engraving. Hour hand and minute hand. Rate adjustment by inhibition. Stepper motor, with three impulses per minute.



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Major points

Information on the battery (ref. 1449934)

1,55 V	«Low Drain»
Ø 6,80 mm,	H 1,60 mm
Renata	321
Vartachron	V321
UCAR, Ray-O-Vac, Energizer	321
Maxell, Panasonic and Sony	SR616SW

Movement exchange is recommended

According to Working Instruction 31. Repair and movement exchange policy.

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Mandatory tools:

Hand fitting

Movement holder for hand setting

Reference

507 0038

Tweezers

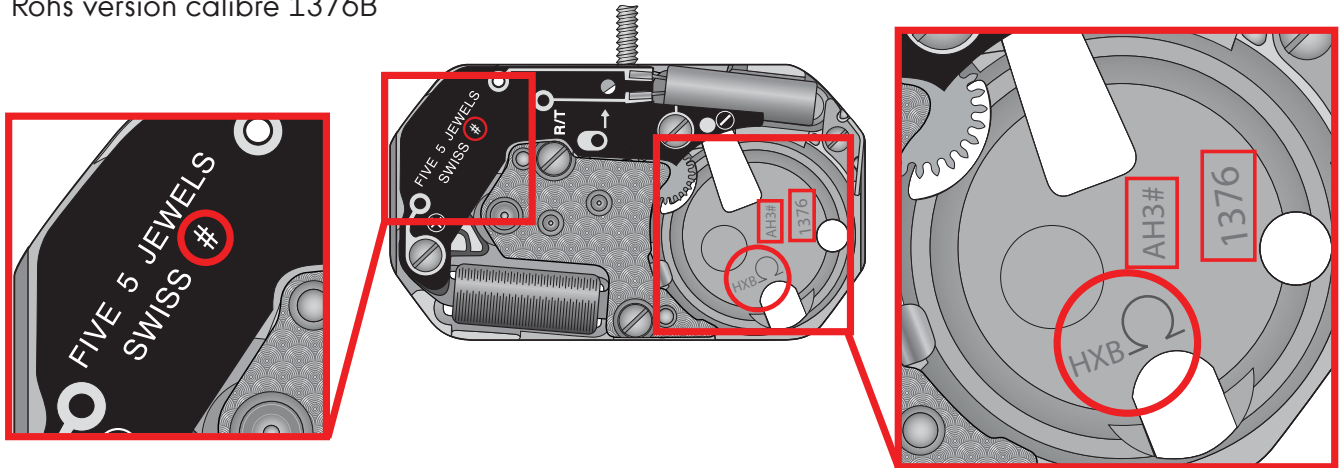
Plastic tweezers

502 310 0051

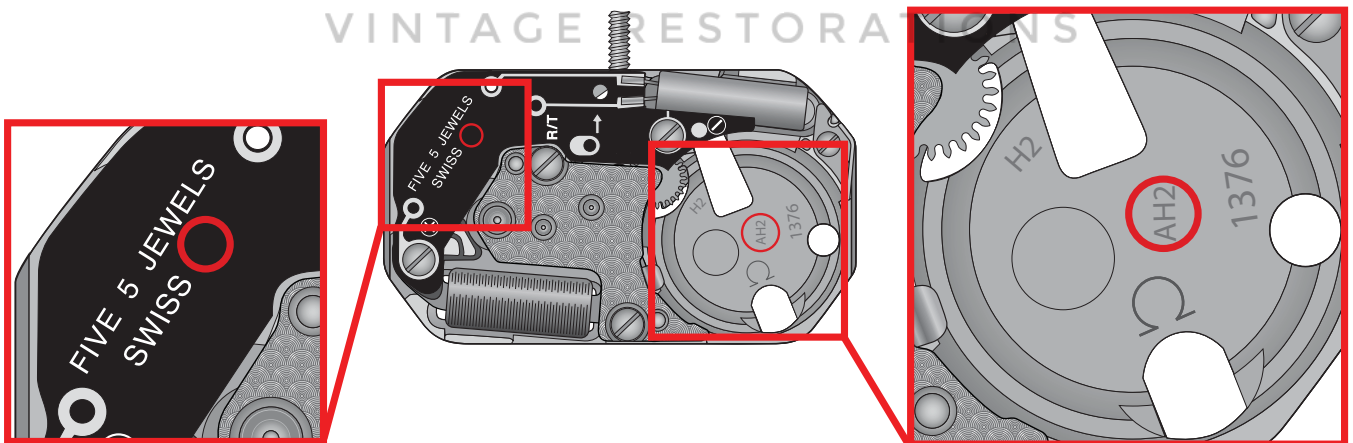
Differences between version 1376A and 1376B

Differences between a RoHS version and a non-RoHS version

RoHS version calibre 1376B



Non-RoHS version calibre 1376A



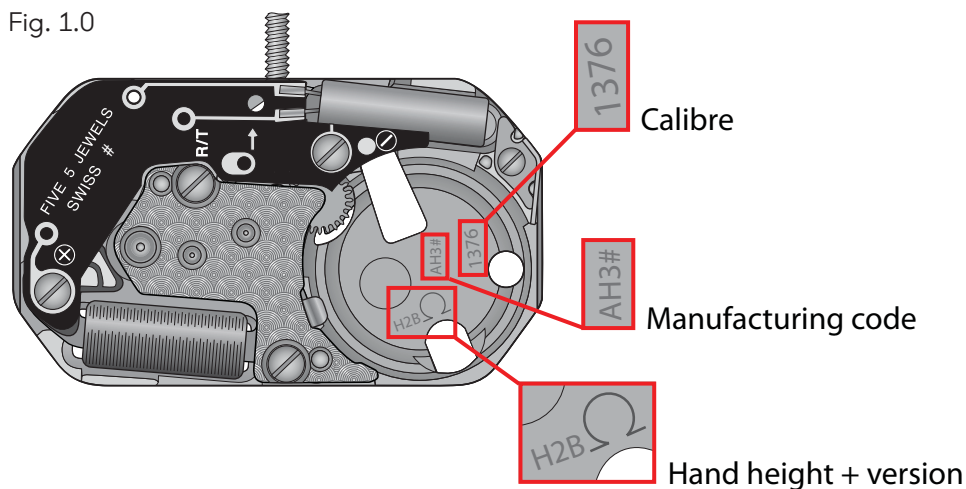
Spare parts list for calibre 1376

Hour wheel, H2 = 1.03mm	Calibre	Reference
	1376A	72213762501/2
	1376B	
Cannon pinion with driver H2 = 1.83mm	Calibre	Reference
	1376A	72213762421/2
	1376B	
Battery	Calibre	Reference
	1376A	1449934
	1376B	
Battery insulator	Calibre	Reference
	1376A	72213764046
	1376B	
Bridle +	Calibre	Reference
	1376A	72213764401
	1376B	
Handsetting stem Ø 0.80 mm / L 18.75 mm	Calibre	Reference
	1376A	72213749100
	1376B	
Handsetting stem Ø 1.10 mm / L 12.45 mm	Calibre	Reference
	1376B	72213749100/1
Screw for bridle +	Calibre	Reference
	1376A	722137654401
	1376B	

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1.0 Information on height of hands

Fig. 1.0

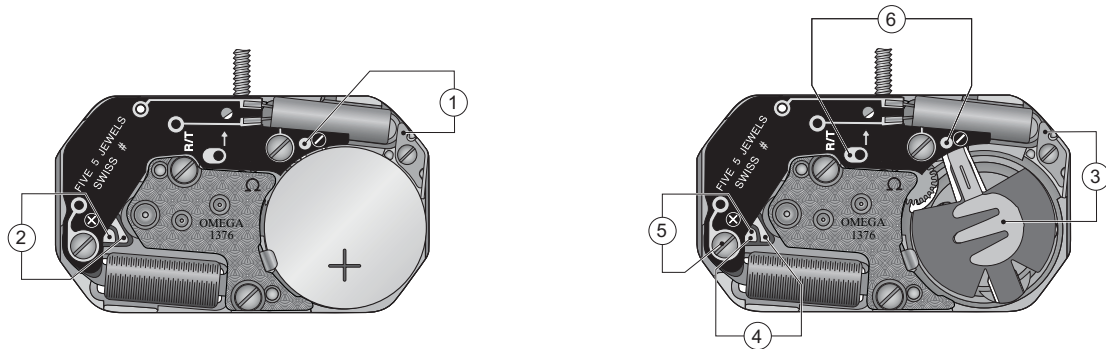


1.1 Runners for hand setting and hand setting force

Designation	Movement holder	No of runners for hand setting	Minimum force (N)	Maximum force (N)	Support (jewel)
Hour hand	507 0038	3	8	30	yes
Minute hand		1	8	30	yes

Fig. 1.0

1.0 Electrical tests

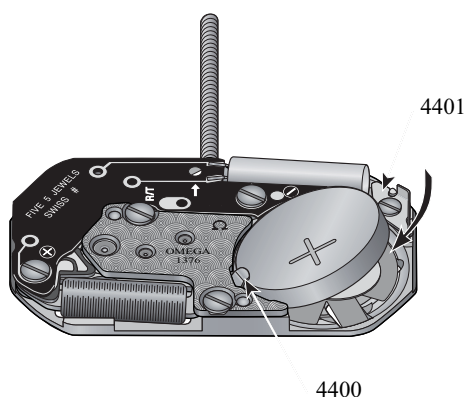


Pos.	Setting of apparatus	Measurement	Test	Remarks
1	2 V ($R_i \geq 10 \text{ k}\Omega / \text{V}$)	1,55 V	Battery voltage	
2	1 V ($R_i \geq 10 \text{ k}\Omega / \text{V}$)	For the Witschi Q 6000: The «Motor» LED lights up with every impulse.	Impulses per minute at the integrated circuit output 3 per minute	Measured with checked battery.
3	10 μA	$\leq 0,70 \mu\text{A}$	Movement consumption	Measured without battery, external supply, 1.55 V.
	2 V	$\leq 1,30 \text{ V}$	Lower limit for operating voltage	Measured without battery, variable external supply, starting with 1.55V, continually reduce voltage until movement stops
4	• 10 $\text{k}\Omega$	1,55 V ~ 1,85 $\text{k}\Omega$	Condition of coil	
5	• 100 $\text{k}\Omega$	-	Coil insulation	
6	Remark: With the additional contact position 6, (R/T) with the $\ominus$ contact, the motor is driven with 16 or 32 steps/s The clockwise rotation of the hands allows an immediate check.			
Ohmmeters with measuring voltage greater than 0.40V inappropriate; recommended voltage 0.20V.				
Ambient temperature 20°C.				

Rate adjustment by inhibition. The rate can only be measured using an instrument capable of measuring for sixty seconds or multiple times sixty seconds.

1.1 Fitting the battery

Slide the battery under the battery clamp no. 4400. Gently press on battery to position it in place with the bridle + no. 4401.



Modifications of version of Technical Guide for calibre 1376

Versions du Guide Technique				
Date of first release:	30.01.2007	Version A	Made by:	Pelrom
Date of second release:	04.05.2007	Version B		
Date of last release:	03.08.2009	Version C		Rendav

Modifications of Technical Guide version B									
Old (version A)				New (version B)					
Page 6: Runners for hand setting				Page 6; Adds: Runners for hand setting and hand setting force					
Designation	Minimum force (N)	Maximum force (N)	Support (jewel)	<table><tr><th>Movement holder for hand-setting</th><th>No of runners for hand setting</th></tr><tr><td rowspan="2">507 0038</td><td>3</td></tr><tr><td>1</td></tr></table>	Movement holder for hand-setting	No of runners for hand setting	507 0038	3	1
Movement holder for hand-setting	No of runners for hand setting								
507 0038	3								
	1								
Hour hand	8	30	no						
Minute hand	8	30	no						

Modifications of Technical Guide version C							
Old (version B)				New (version C)			
Page 6: Support (jewel)				Page 6: Support (jewel)			
Designation	Minimum force (N)	Maximum force (N)	Support (jewel)	Designation	Minimum force (N)	Maximum force (N)	Support (jewel)
Hour hand	8	30	no	Hour hand	8	30	yes
Minute hand	8	30	no	Minute hand	8	30	yes

