

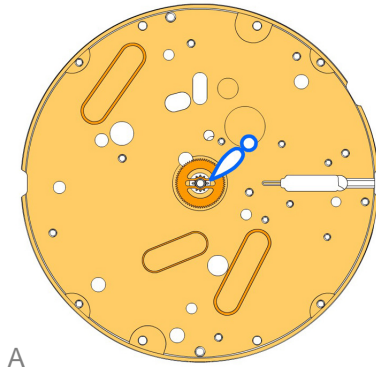
Technical Specifications

∅ Total	34.60 mm
∅ Case fitting	33.80 mm
Movement height	5.60 mm
Height over battery	5.60 mm
Movement rest	0.60 mm
Height of stem	3.30 mm
Height of stem / travel	0.90 mm / 1 mm
Battery / Voltage	Nr. 381 / 1.5V
Autonomy (theoretical)	48 months
Instantaneous rate (25°C)	-10/+20 sec/month
Current cons. (typ.)	1.43µA (date mechanism not in gear)
Current cons. (max.)	3.1µA
Torque sec.	10µNm (typ)
Torque minute	500µNm (typ)
Operating temperature	0°C - 50°C
Resist. to magn. fields	18.8 Oe = 1500 A/m
Resistance to shock	NIHS 91 - 10

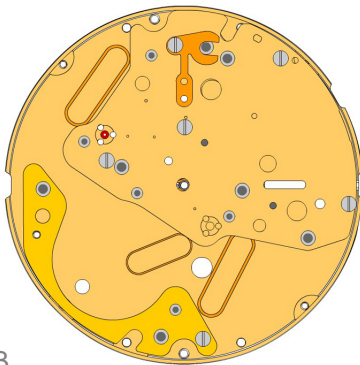
functions

Position I (crown)	Neutral
Position II (crown)	Setting the date (quick mode)
Position III (crown)	Setting the time and retrograde day
	Bigdate
	Retro

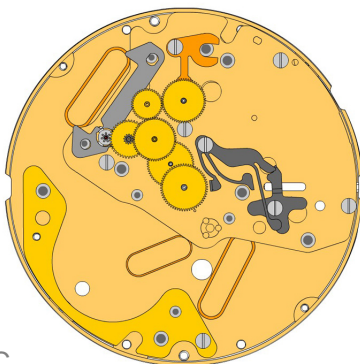
Assembling



A



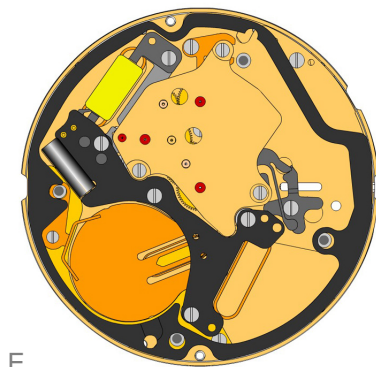
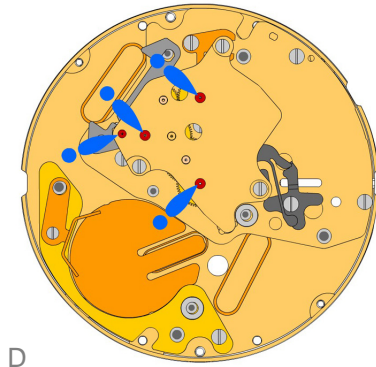
B















C

1. **2000.669.G** **Main Plate**
 Use Moebius 9014 on bearing of all rubis
2. **3305.329** **Cannon pinion with driver B (Aig. 1)**
 Moebius 8200 grease must be placed between the steel tube and the wheel. The steel tube must be placed into the center hole of the main plate.
3. **2030.028.CO** **Centre Bridge**
 Use 3 screws 4000.250.
4. **4000.250** **Screws**
5. **3406.039** **Sliding attachment**
 Use 1 screw 4000.250.
6. **2130.181** **Combined maintaining plate**
 Use 1 screw 4000.250.
7. **4000.250** **Screw**
8. **3016.028** **Lever for setting lever**
 "If the stem and the mechanism is already placed on the backside, place the stem into the middle position. Then use 1 screw 4000.249 to fix the lever for setting lever."
9. **4000.249** **Screw**
10. **3016.027** **Stop lever**
 Position the Stop lever under the ?Lever for setting lever? and fix the Stop lever by using 1 screw 4000.249. The reset arm of the Stop lever must be placed according to the picture. Use Moebius 8200 at the contact point of the 2 levers.
11. **4000.249** **Screw**
12. **3622.044** **Stator**
13. **3715.105.RK** **Rotor**
 Use an antimagnetic tweezers to place the rotor.
14. **3147.060.CO** **Intermediate wheel**
15. **3122.062.CO** **Third wheel**
16. **3136.174.CO** **Centre second wheel (Aig. 1)**
17. **3004.203.CO** **Seconde intermediate wheel**
18. **3136.182.CO** **Small second wheel axle**
19. **3136.173.CO** **Centre second wheel (Aig. 1)**

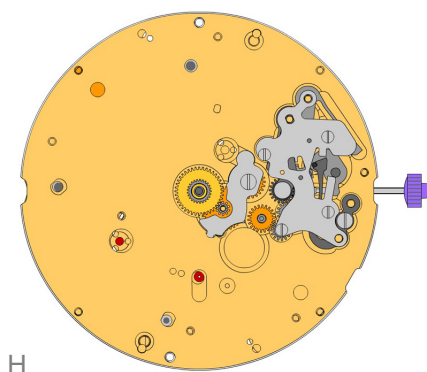
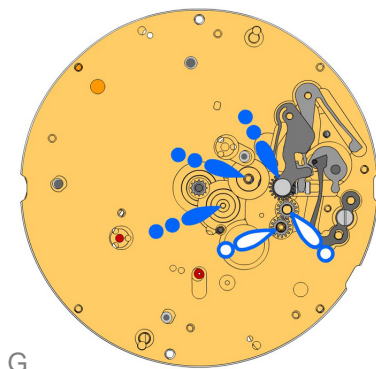
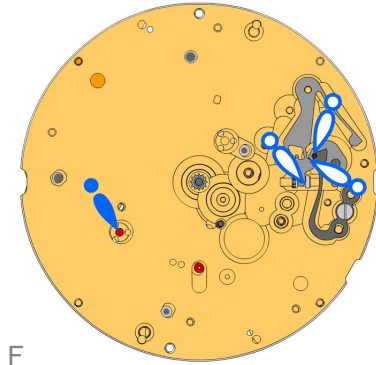
Assembling



- 20. 2020.170.FI **Train wheel bridge 4 jewels**


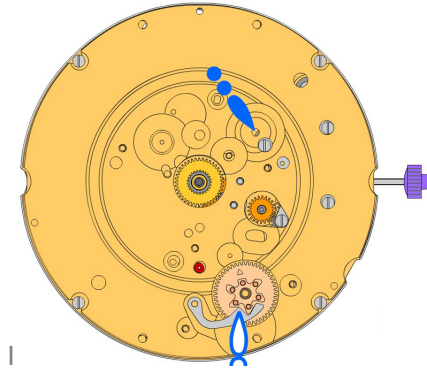
Attention: Prior to the fastening process of the bridge, all 4 pins of the wheels must be visible in the 4 holes in the bridge. Use 3 screws 4000.250
- 21. 4000.244 **Screws**

- 22. 9014.000 **Moebius 9014**

- 23. 3603.080 **Battery insulator**

- 24. 3601.120.G **Battery clamp (+)**
 Use 1 screw 4000.248

- 25. 4000.248 **Screw**

- 26. 3503.071 **Tube**
 2 pieces

- 27. 3612.196 **Electronic module (small second)**
 The coil is integrated into the electronic module. Use 5 screws 4000.250.

- 28. 4000.250 **Screws**

- 29. 3603.081 **Spacer**

- 30. 2130.183.G **Electronic module cover**
 Use 4 screws 4000.244

- 31. 3600.032 **Battery**
 Use a plastic tweezers to place the battery (to avoid short circuit of battery).


Assembling

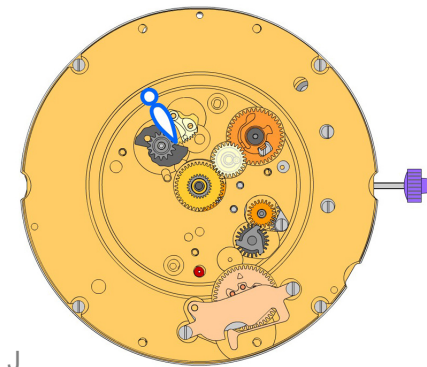


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|-----|-------------|--|
| 32. | 2000.669.G | Main Plate |
| 33. | 3017.054.CO | Setting lever |
| 34. | 3905.063 | Setting lever jumper (3 positions)
The setting lever jumper must be tensioned and inserted into the setting lever. Use one screw 4000.250. Use Moebius 8200 to grease |
| 35. | 4000.282 | Screw |
| 36. | 3001.046 | Sliding pinion |
| 37. | 3015.077 | Yoke (3 positions)
The yoke must be inserted into the cut out of the sliding pinion. Tense the spring and connect in the main plate. Use Moebius 8200 |
| 38. | 3004.200 | Corrector setting wheel
Use Moebius 8200 on both setting wheels. |
| 39. | 3015.078.CO | Rocking bar (3 positions)
Moebius 8200 grease must be placed between both levers. oiling wheel with Moebius 9020. |
| 40. | 2130.194 | Setting mechanism cover
Use 4 screws 4000.305 |
| 41. | 4000.305 | 4 Screws |
| 42. | 3000.194.CO | Stem
Prior to the insertion of the stem, some grease must be placed on the square part of the stem. |
| 43. | 3004.204 | Intermediate setting wheel
Use moebius 9020. |
| 44. | 3007.079.CO | Minute wheel
Use moebius 9020. |
| 45. | 2130.185 | Minute train bridge
Insert the minute train bridge in the main plate and fix it with 1 screw 4000.278. |
| 46. | 4000.278 | Screw |
| 47. | 3301.296.CO | Hour wheel (Aig. 1)
Use moebius 9020. |
| 48. | 3147.066.CO | Date corrector setting wheel |

Assembling



I



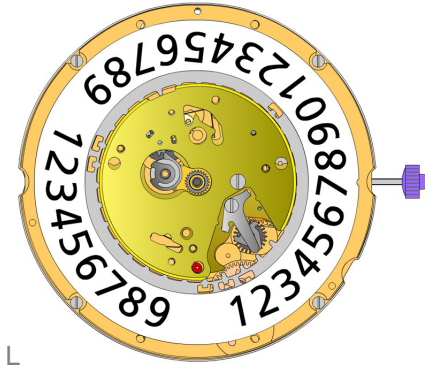
J



K

- | | | |
|-----|-------------|---|
| 49. | 2000.672.G | Main plate retro (12h)
Use 4 screws 4000.248 |
| 50. | 4000.248 | Screw |
| 51. | 3004.209 | Tens indicator driving wheel
The short tooth of the tens indicator driving wheel must point to the center of the movement. |
| 52. | 3500.073 | Tens jumper
Moebius 8200 greace must be placed between the tens jumper and the tens indicator driving wheel. |
| 53. | 2130.187 | Tens jumper maintaining plate
Use 2 screws 4000.279. Place the spring loaded bracket outside of the tens jumper. |
| 54. | 4000.279 | Screw |
| 55. | 3004.208.CO | Date indicator driving wheel
Oil must be placed at the pins before inserting the wheel. |
| 56. | 3147.061 | Intermediate date wheel |
| 57. | 3404.006.CO | Day cam (12h) |
| 58. | 3406.032 | Day rack
Moebius 8200 must be placed between cam and rack. Orientation of the parts like indicated. |
| 59. | 3406.031 | Day rack lever |
| 60. | 3507.059.CO | Date corrector wheel |
| 61. | 2130.191 | Date indicator plate (12h) |
| 62. | 3905.068 | Date corrector spring
Use 1 screw 4000.244. |
| 63. | 3905.066 | Day rack lever spring
The Days rack lever spring must be tensioned and inserted as shown. |
| 64. | 3500.069 | Day jumper
Moebius 8200 greace must be placed between cam and day jumper. |
| 65. | 3500.068 | Date jumper |
| 66. | 3504.234.AD | Units indicator (T3/G6)
Teaths must be greaced using Moebius 8200. The 'half moon' cut out on the unit indicator must point to the stem (position 3h). |

Assembling



67. 2130.192 Date indicator maintaining plate
 Use 1 screw 4000.250.



68. 4000.250 Screw



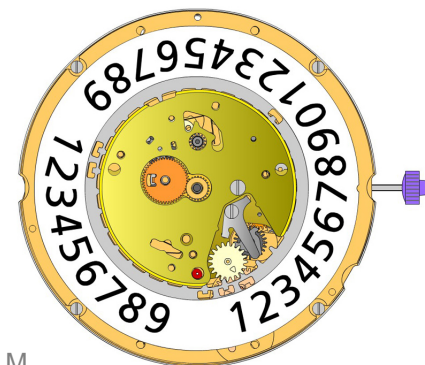
69. 3905.064 Date jumper spring
 Insert the spring into the opening of the date indicator maintaining plate.



70. 3907.047 Day finger flange
 "Turn the unit indicator forward by 30 days (quick mode). Then pull the stem and adjust the time slowly until the date jump is executed ? after the date jump stop turning the stem immediately! The ?half moon? cut on the units indicator is now again pointing to the stem."



71. 3004.211 Day finger
 "Position the day finger as indicated and turn the day finger until it is in contact with the day cam. By this method the time gap between change of date and change of day indicator can be minimized."



72. 3004.212 Days driving wheel



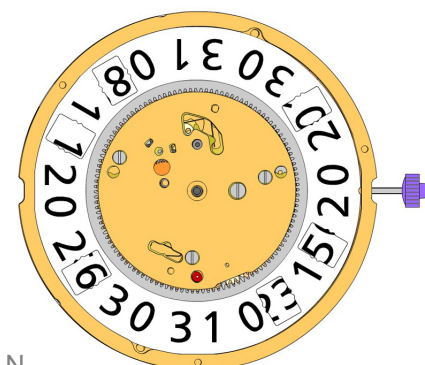
73. 3401.082.FI Day indicator pinion



74. 3147.062 Tens intermediate wheel



75. 3315.003 Hour wheel friction spring



76. 3504.231.AD Tens indicator (T3/G6)
 The 'half moon' cut out on the tens indicator must point to the stem (position 3h).



77. 2130.193.G Date mechanism maintaining plate (12h)
 Use 3 screws 4000.320.



78. 4000.320 Screw



79. 3506.077.G Dial support



80. 3506.076.G Intermediate dial support



81. 9010.000 Moebius 8200
 Microgliss D5 can be used



82. 9014.000 Moebius 9014
 Use Moebius 9014 on bearing of all rubis



83. 9018.000 Jismaa 124
 Greace Moebius or Microgliss D5 an be used

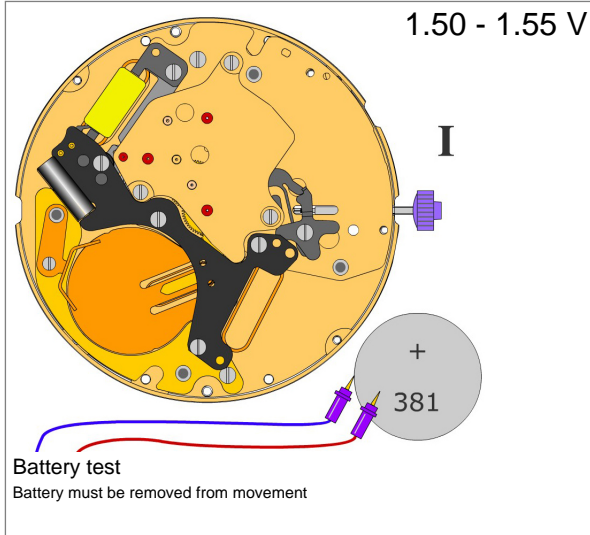


84. 9020.000 Moebius 9020

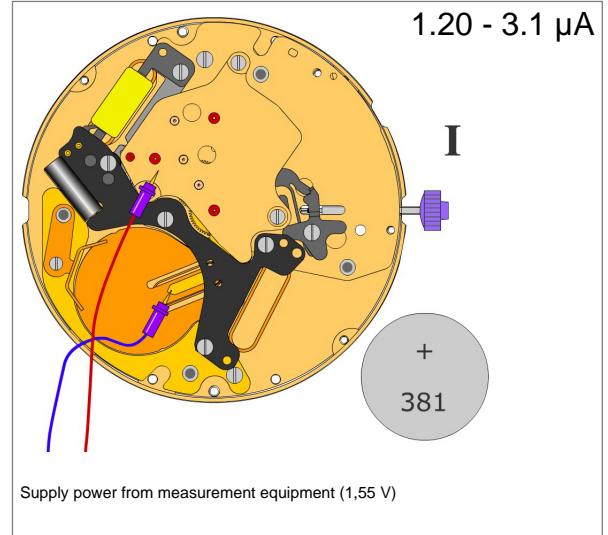


Electrical checking

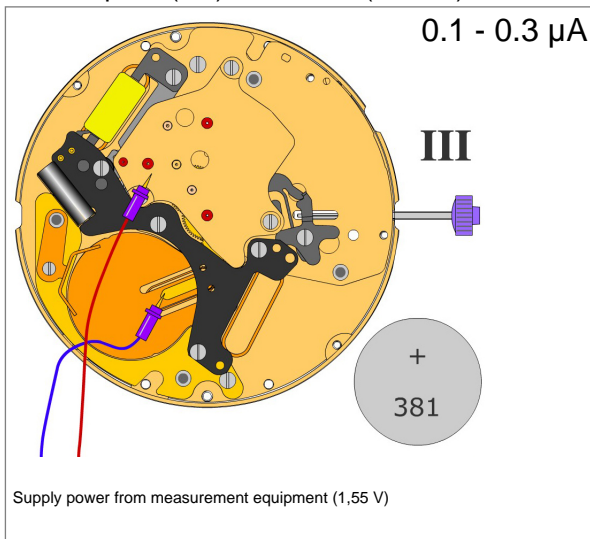
Voltage of battery



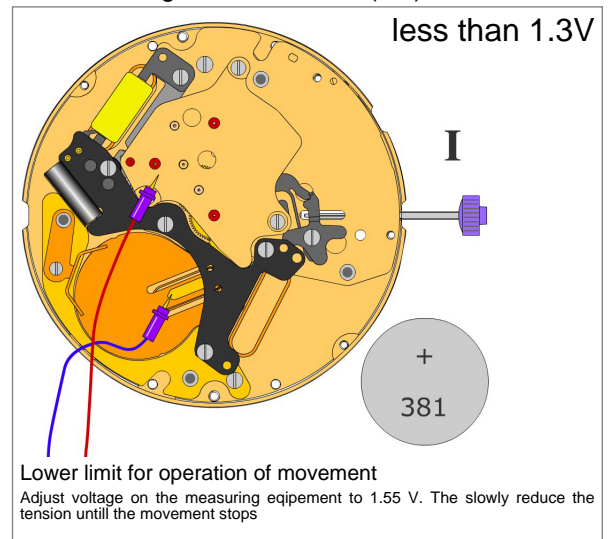
Consumption (M1) of movem. (Pos. I)



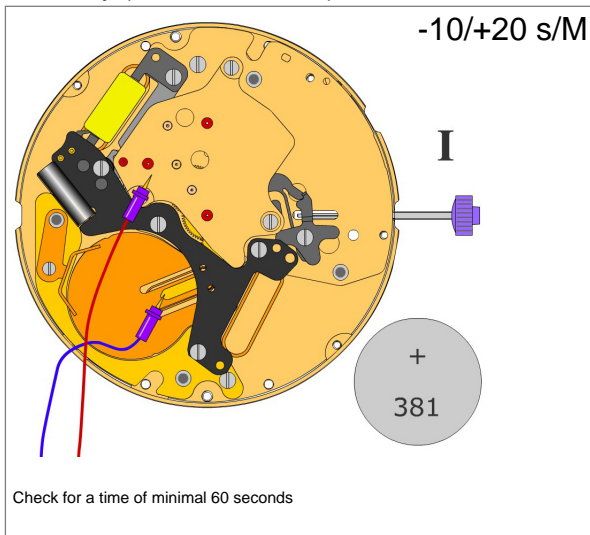
Consumption (M1) of movem. (Pos. III)



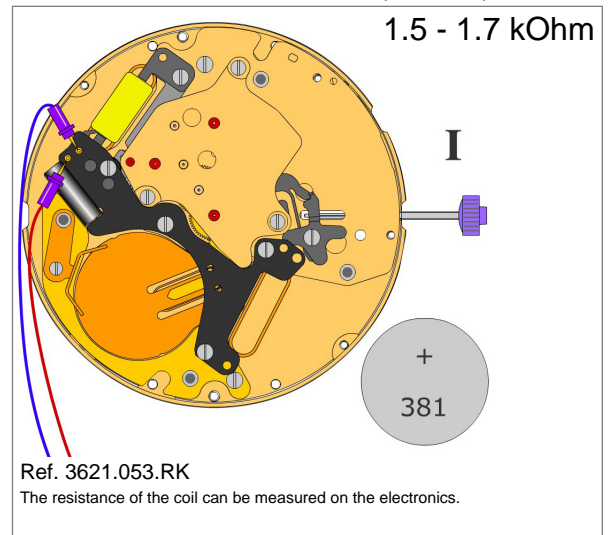
Lowest voltage for movement (M1)



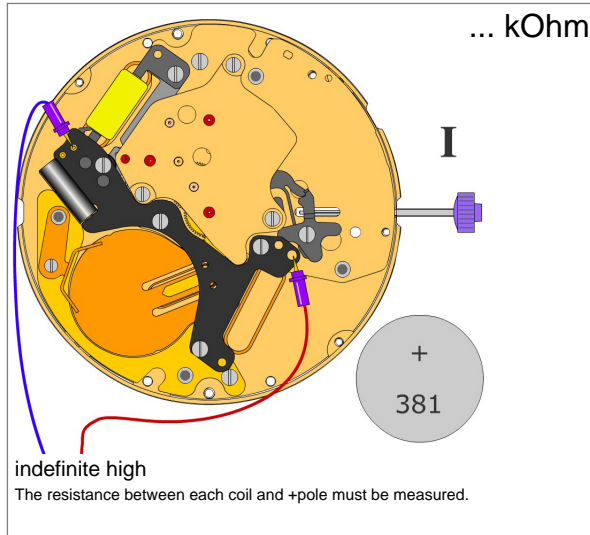
Accuracy (seconds / month)



Resistance of the coil: motor 1 (movem.)



Coil insulation: motor 1 (M1)



Accelerated test of movement (M1)

