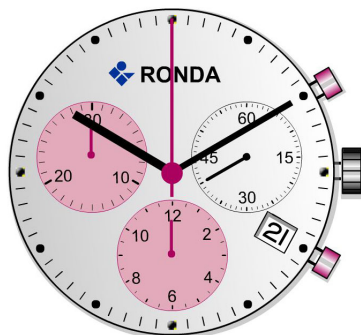


Specifikation

12 ½"



Dimensions and battery

| | |
|-------------------------|---------------------|
| ∅ Total | 28.60 mm |
| ∅ Case fitting | 28.00 mm |
| Movement height | 4.40 mm |
| Movement rest | 0.60 mm |
| Height of stem | 1.90 mm |
| Stem: Thread / Distance | 0.90 mm / 0.90 mm |
| Battery / Autonomy | Nr. 395 / 48 Months |

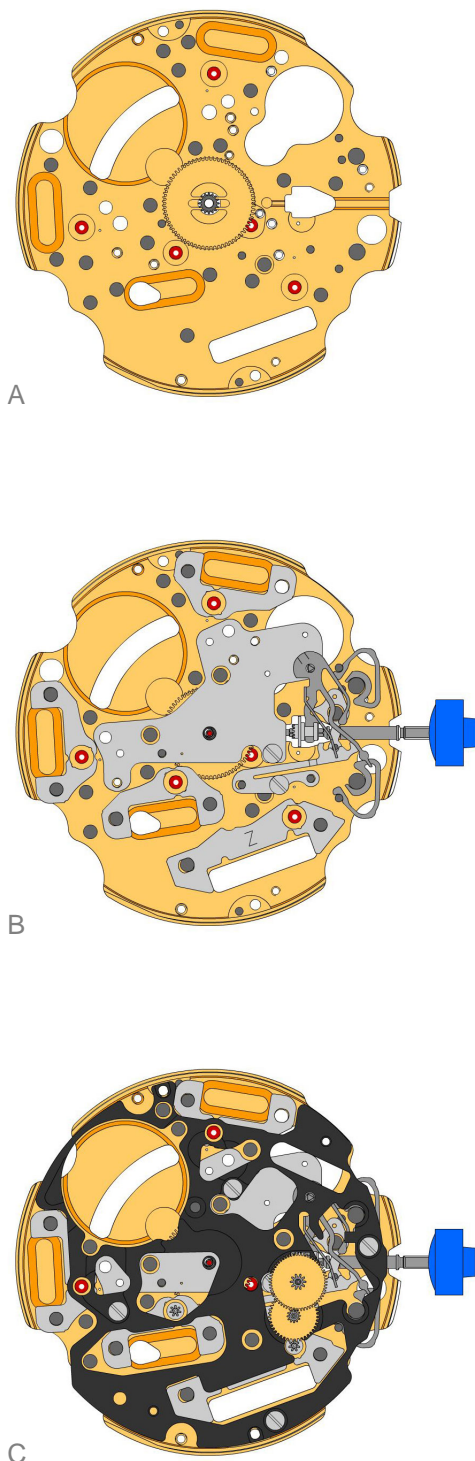
Performances

















| | |
|---------------------------|-------------------------------------|
| | Small second (M1): 4.0 - 6.7 µNm |
| Torque T | Minute hand (M1): 200 - 300 µNm |
| | Counter (M2, M3, M4): 3.0 - 4.6 µNm |
| Operating temperature | 0°C - 50°C |
| Res. against magn. fields | 18.8 Oe = 1500 A/m |
| Resistance against shock | NIHS 91 - 10 |

Functions

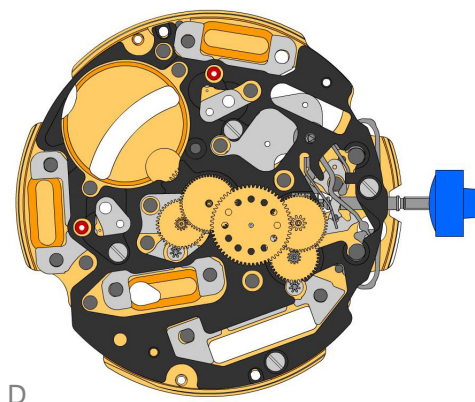
| | |
|----------------------|---|
| Position I (crown) | Neutral |
| Position II (crown) | Setting the date (quick mode) |
| Position III (crown) | Setting the date and adjusting the chrono hands |
| Pusher A | START / STOP / ADD |
| Pusher B | ZERO POSITIONING / SPLIT |
| | Small second |





Assembling

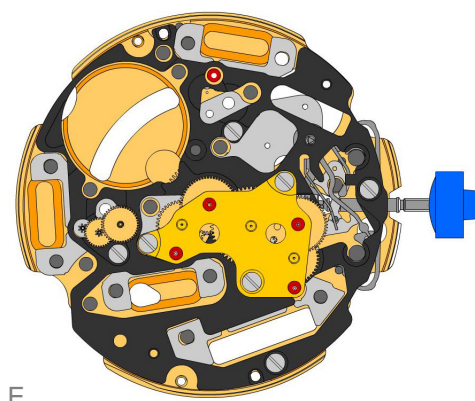






1. 3305.275.CO **Cannon pinion with driver (Aig 1)**

Moebius 8200 grease must be placed between the steel tube and the brass wheel. The steel tube must be placed into the center hole of the main plate.
3. 2030.017.CO **Centre bridge**

Use one screw 4000.250 to fix the center bridge.
4. 3001.041 **Sliding pinion**

The sliding pinion must be held using a tweezers, until the stem is inserted.
5. 3000.177.CO **Handsetting stem**

Prior to the insertion of the stem, some grease must be placed on the square part of the stem.
6. 3017.049 **Setting lever**

The cam on the setting lever must be inserted into the cut out on the stem. (the setting lever must be greaced)
7. 3905.049 **Setting lever jumper (3 positions)**

The setting lever jumper (3 positions) must be tensioned and inserted into the setting lever. Use one screw 4000.250 to fix the setting lever.
8. 4000.250 **Screw**

9. 3015.070 **Yoke (3 positions)**

The yoke must be inserted below, into the cutout of the sliding pinion. The opposite end of the yoke must be positioned around the pillar of setting lever. (Use Moebius 8200 to greaced the yoke)
10. 3406.030 **Pusher jumper**

2 pieces. Use Jismaa 124 to greace the pusher jumper.
11. 3622.040 **Stator**

12. 3622.039 **Stator (counter 6h, 9h and chrono)**

3 pieces
14. 3603.065 **Plastic bracket**

Use 4 screws 4000.250
15. 4000.250 **Screw**

16. 3715.094.RK **Rotor (centre and chrono)**

Use an antimagnetic tweezers to place the 2 rotors.
17. 3147.046.CO **Intermediate wheel**

18. 3136.142.CO **Second wheel (long)**


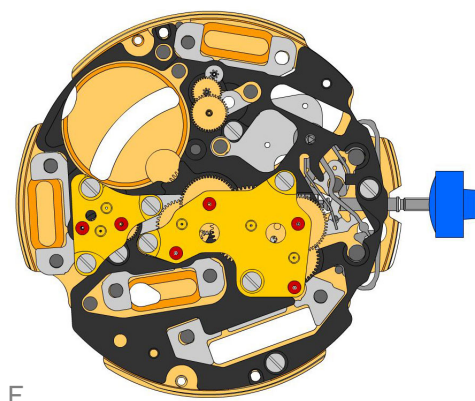
Assembling








- 19. 3147.047.CO Intermediate wheel (chrono)

- 20. 3136.144.CO Chronograph wheel (Aig 2)

- 21. 3122.056.CO Third wheel

- 22. 2020.148.CO Train wheel bridge
Attention: Prior to the fastening process of the bridge, all 7 pins of the wheels must be visible in the 7 holes in the bridge. Use 3 screws 4000.250.


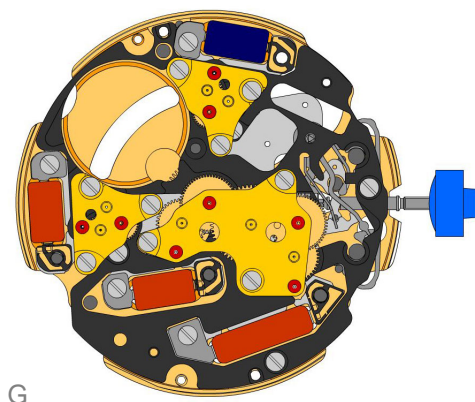


- 24. 3715.095.RK Rotor (counter 6h and 9h)
Use an antimagnetic tweezers to place the rotor.

- 25. 3147.048.CO Intermediate wheel (counter)

- 26. 3402.006.CO Minute counting wheel

- 27. 2020.149 Counter train wheel bridge
Attention: Prior to the fastening process of the bridge, all 4 pins of the wheels must be visible in the 4 holes of the bridge. Use 3 screws 4000.250.


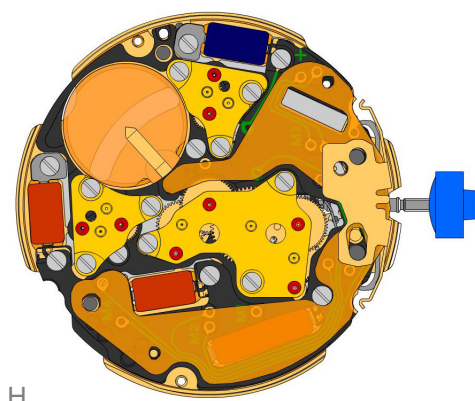


- 29. 3715.095.RK Rotor (counter 6h and 9h)
Use an antimagnetic tweezers to place the rotor.

- 30. 3147.053.CO Intermediate wheel (counter 1/10sec)

- 31. 3402.009.CO Counting wheel 1/10 sec

- 32. 2020.149 Counter train wheel bridge
Attention: Prior to the fastening process of the bridge, all 4 pins of the wheels must be visible in the 4 holes of the bridge. Use 3 screws 4000.250.

- 33. 4000.250 Screw


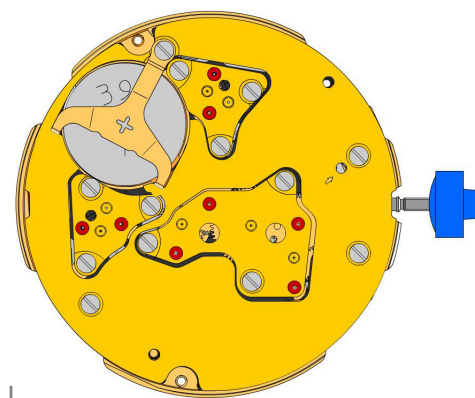
Assembling



34. 9014.000 **Moebius 9014**
Use Moebius 9014 on bearing of all rubis
35. 3621.053.RK **Coil**
The wire of the coil (red area) is very sensitiv to mechanical impacts. Hold the coil only outside the red area. Fix the coil by 1screw 4000.250.
36. 3621.054.RK **Coil (counter 9h and chrono)**
The wire of the coil (red area) is very sensitiv to mechanical impacts. Hold the coil only outside the red area.
37. 3621.055.RK **Coil (counter 6h)**
Coil (counter 6h)>The wire of the coil (blue area) is very sensitiv to mechanical impacts. Hold the coil only outside the blue area. Fix the coil by 1screw 4000.250.
38. 4000.250 **Screw**

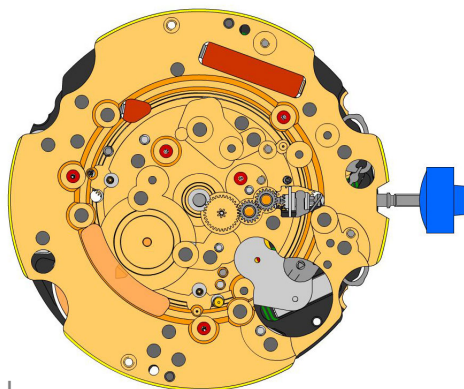


40. 3603.034 **Battery insulator**
41. 3612.144.RK **Electronic module**
After assembly of the electronic module it is the best time to perform the electrical measurements. Use 5 screws 4000.248 to fix the electronic module.
42. 4000.248 **Screw**
43. 3603.069 **Circuit insulator**
44. 3601.107 **Pusher contact spring**
Make shure, that the pusher contact spring is placed correctly onto the pillars.

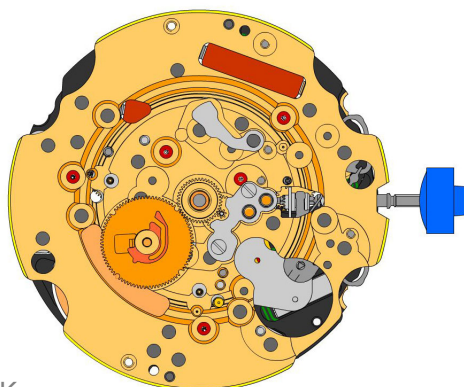


46. 2130.137 **Electronic module cover (counter 6h/9h)**
Make shure, that the pusher contact spring is not displaced during attachment of the electronic module cover. Use 3 screws 4000.250 to fix the electronic module cover
47. 3600.010 **Battery**
Use a plastic tweezers to place the battery (to avoid short circuit of battery).
48. 3601.109 **Bridle +**
Insert the two brackets of the battery bridle under the electronic module cover and fasten the battery bridle by 1 screw 4000.250.
49. 4000.250 **Screw**






Assembling



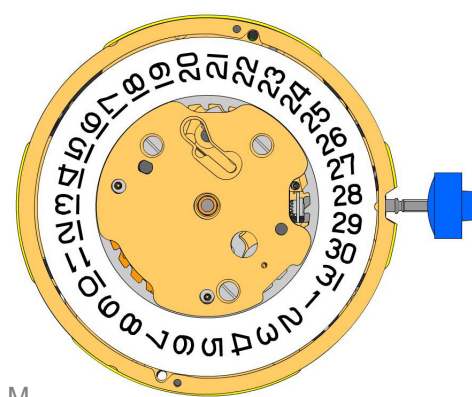
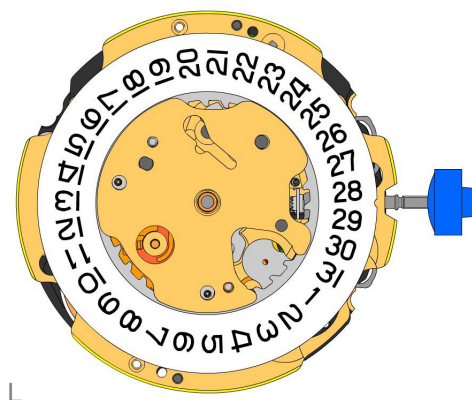
J












K

- | | | |
|-----------------|---|---|
| 50. 9014.000 |  | Moebius 9014 Use Moebius 9014 on bearing of all rubis |
| 51. 3004.164 |  | Setting wheel Use Moebius 9020 on both setting wheels |
| 52. 3007.054 |  | Minute wheel Use Moebius 9020 |
| 53. 2130.143 |  | Minute train bridge Use 2 screws 4000.305 |
| 55. 4000.305 |  | Screw |
| 56. 3301.241 |  | Hour wheel (Aig 1) Use Moebius 9020 |
| 57. 3315.016 |  | Hour wheel friction spring Must be placed onto the hour wheel |
| 58. 3004.168.CO |  | Date indicator driving wheel Moebius 9020 must be used in the center of this wheel |
| 59. 3500.049 |  | Date jumper Moebius 8200 greace must be placed between the date jumper and the date jumper spring |

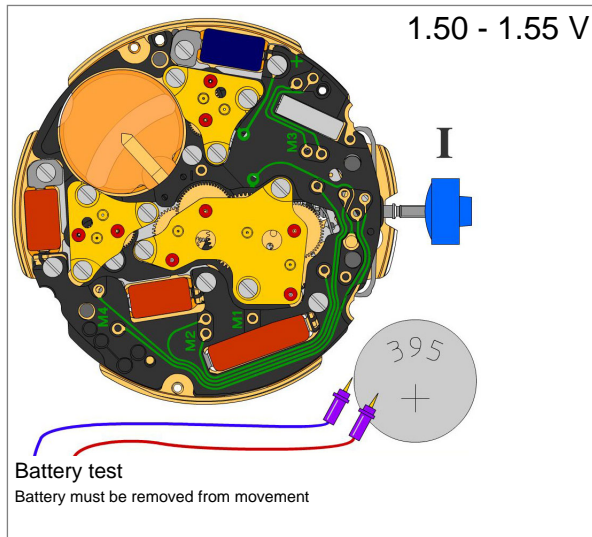
Assembling



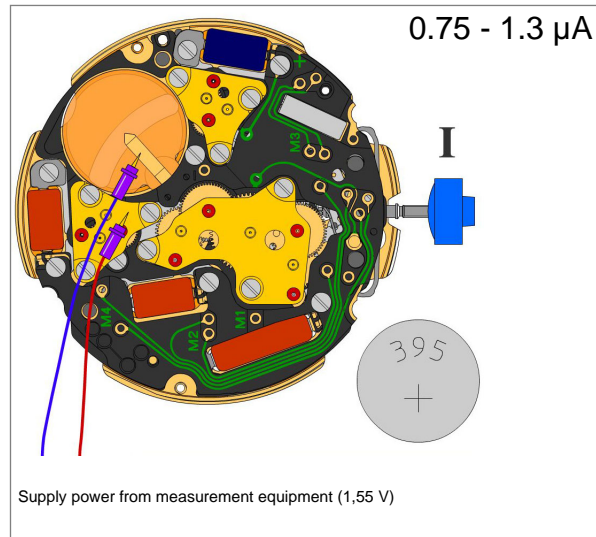
- | | | |
|--------------|---|--|
| 60. 3504.214 |  | Units indicator Teaths must be greaced using Moebius 8200. The "half moon" cut out on the unit indicator must point to the stem (position 3h). |
| 61. 2130.141 |  | Date indicator maintaining plate Assure that the tens intermediate wheel is not blocked, prior to the fastening process. Use 2 screws 4000.250 to fix the date indicator maintaining plate |
| 63. 3905.050 |  | Date jumper spring Insert the spring into the opening of the date indicator maintaining plate |
| 64. 2130.140 |  | Date mechanism maintaining plate Assure that the tens intermediate wheel is not blocked, prior to the fastening process. Use 2 screws 4000.250 to fix the date indicator maintaining plate |
| 65. 3506.072 |  | Dial support |
| 66. 4000.250 |  | Screw |
| 67. 9010.000 |  | Moebius 8200 Microgliss D5 can be used |
| 68. 9018.000 |  | Jismaa 124 Greace Moebius or Microgliss D5 an be used |
| 69. 9020.000 |  | Moebius 9020 |

Electrical checking

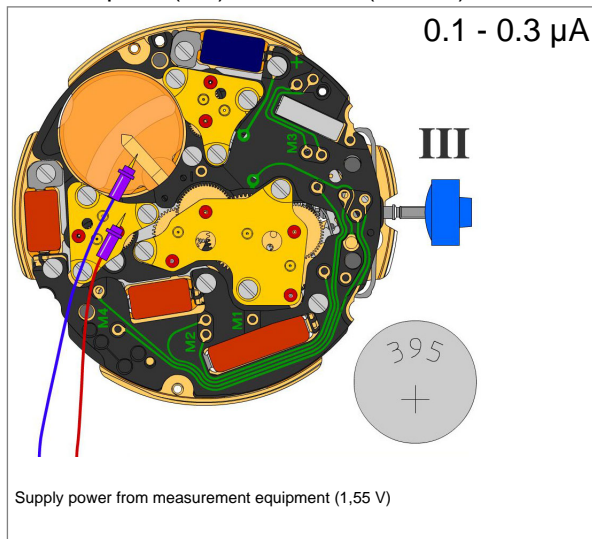
Voltage of battery



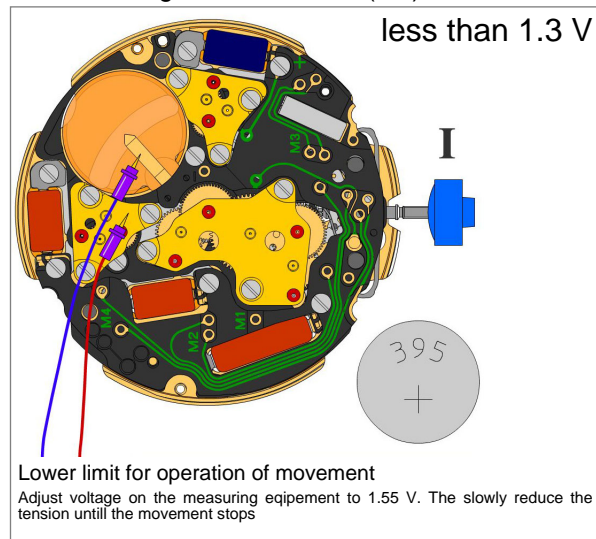
Consumption (M1) of movem. (Pos. I)



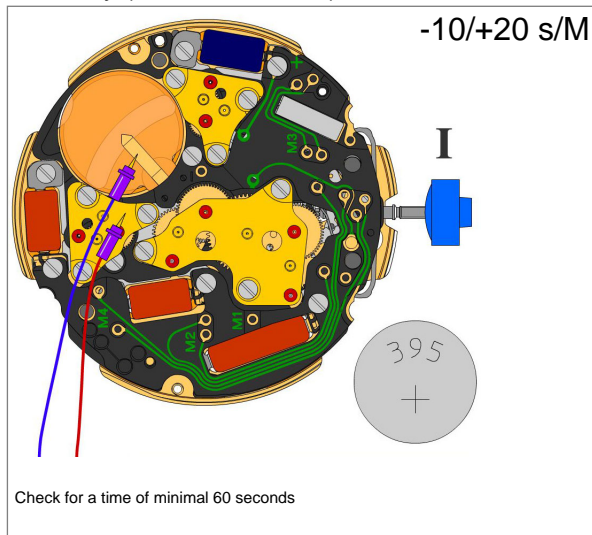
Consumption (M1) of movem. (Pos. III)



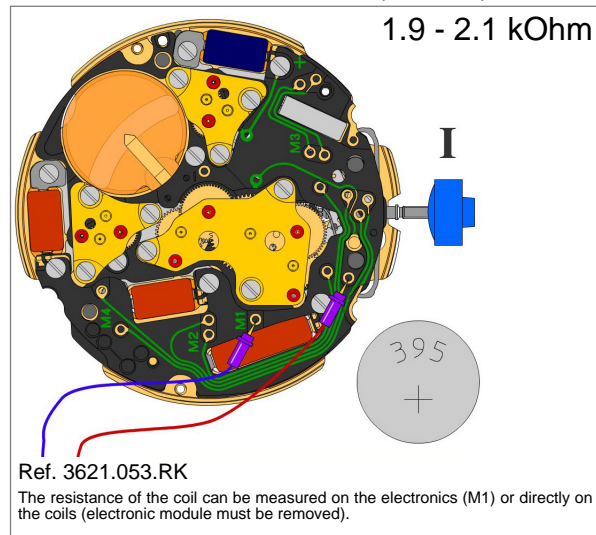
Lowest voltage for movement (M1)



Accuracy (seconds / month)

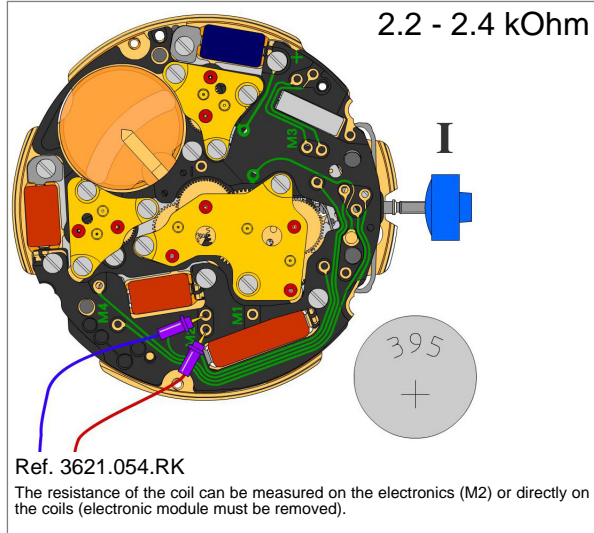


Resistance of the coil: motor 1 (movem.)

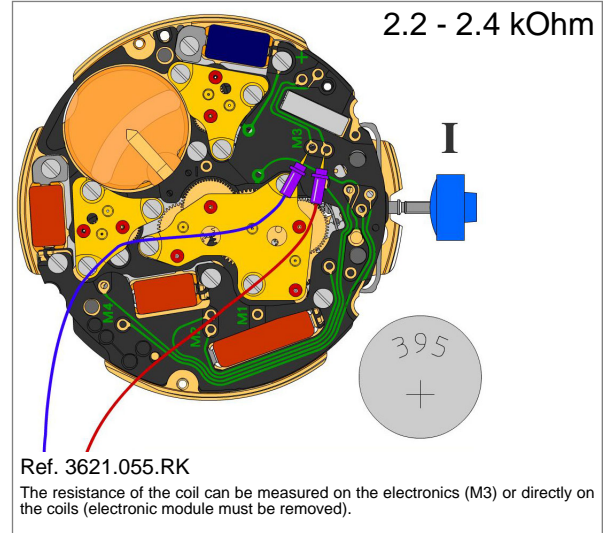


Electrical checking

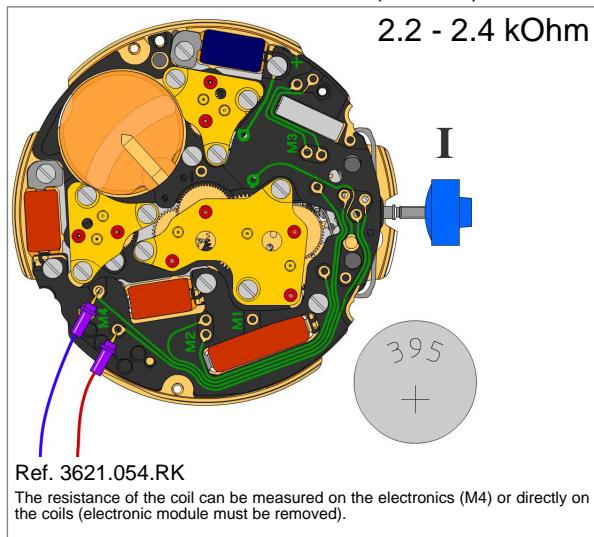
Resistance of the coil: motor 2 (counter)



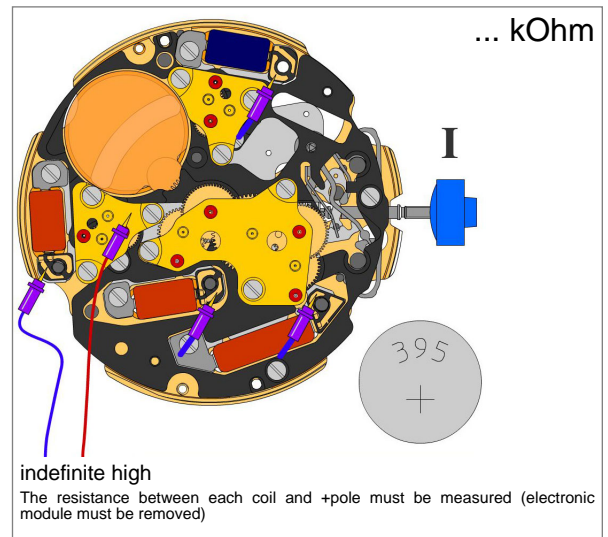
Resistance of the coil: motor 3 (counter)



Resistance of the coil: motor 4 (counter)

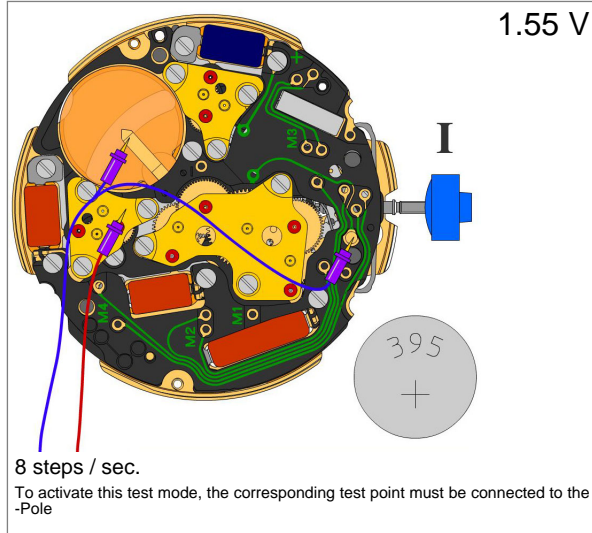


Coil insulation: motor 1, 2, 3 and 4

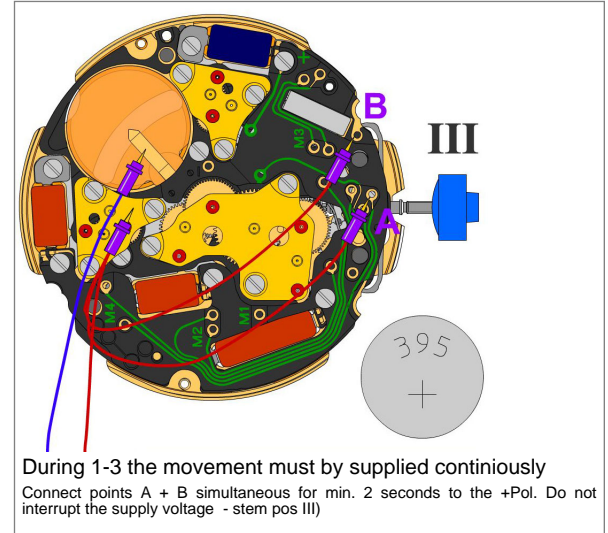


Test of the motors

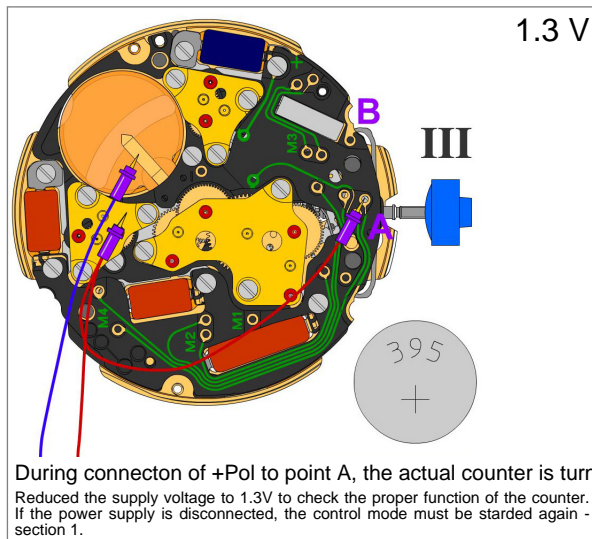
Accelerated test of movement (M1)



1. Activation of control mode (pos III)



2. Check of active counter, at 1.3V



3. Change to the next counter

