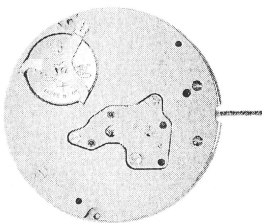
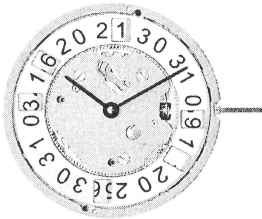
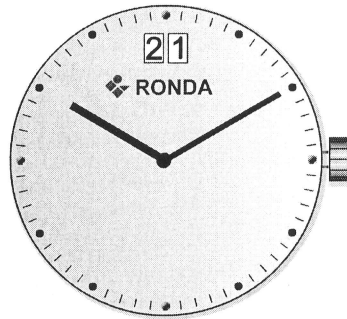


Specification

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

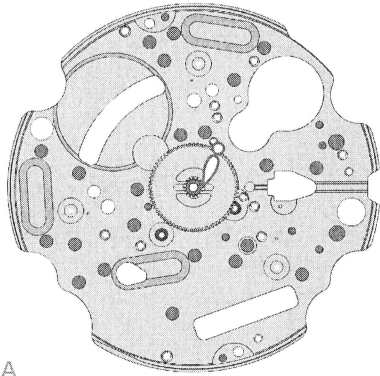
Torque T	Minute hand: 6 µNm
Operating temperature	0°C - 50°C
Res. against magn. fields	18.8 Oe = 1500 A/m
Resistance against shock	NIHS 91 - 10

Functions

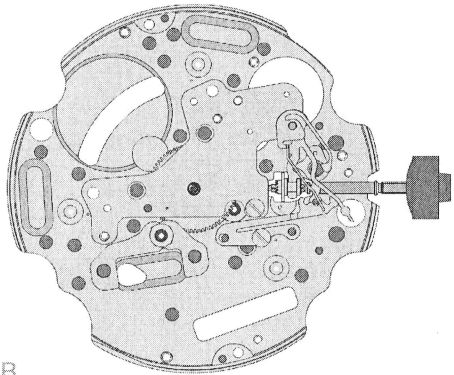
Position I (crown)	Neutral
Position II (crown)	Setting the date (quick mode)
Position III (crown)	Setting Time



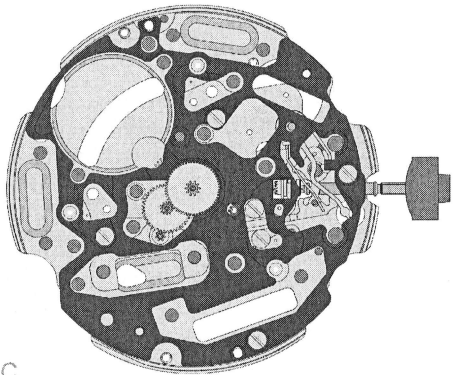
Assembling



















A



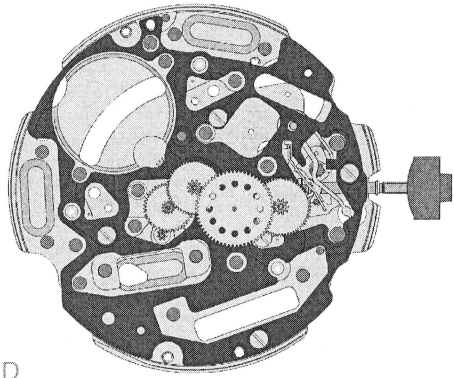
B



C

1. 2000.577.G Main plate

2. 3305.314.CO Cannon pinion with driver (Aig 2)

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. 2030.019.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. 3015.076 Yoke (3 positions)

The yoke must be inserted below, into the cut out of the sliding pinion.
10. 3905.058 Yoke spring

The yoke spring must be positioned on the yoke. The opposite end of the yoke must be positioned around the pillar of setting lever. Use Moebius 8200 to grease the yoke.
11. 3622.039 Stator

12. 3603.065 Plastic bracket

Use 4 screws 4000.250
13. 4000.250 Screw

14. 3715.094.RK Rotor centre

Use an antimagnetic tweezers to place the rotor.
15. 3147.047.CO Intermediate wheel (chrono)

16. 3136.170.CO Second wheel (height 0)


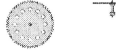
Assembling



17. 3136.148.CO Second wheel (short)



18. 3122.056.CO Third wheel

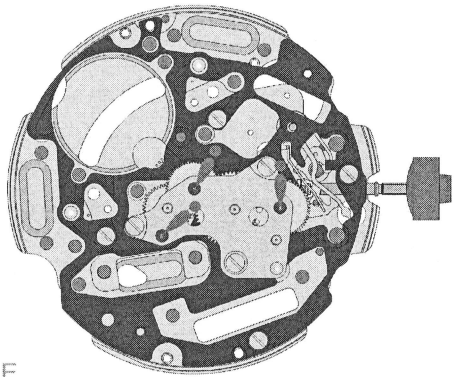


19. 2020.164.G Train wheel bridge



Attention: Prior to the fastening process of the bridge, all pins of the wheels must be visible in the holes in the bridge. Use 3 screws 4000.250.

20. 4000.250 Screw



21. 9014.000 Moebius 9014
 Use Moebius 9014 on bearing of all rubis



22. 3621.054.RK Coil (movement)
 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.



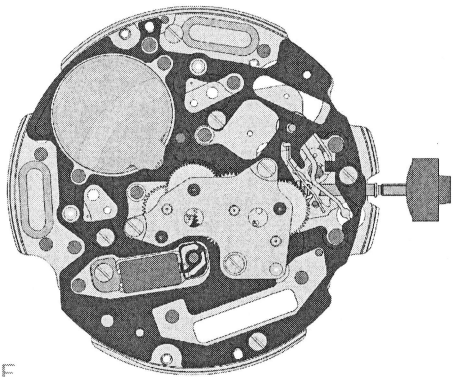
23. 4000.250 Screw



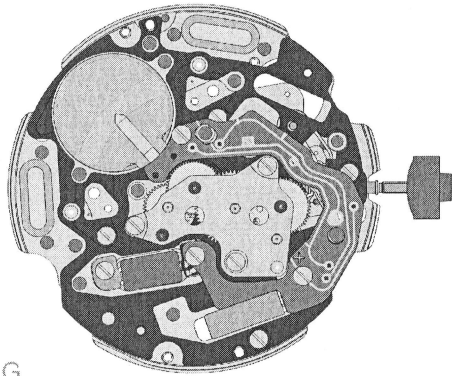
24. 3503.059 Tube



25. 3603.034 Battery insulator



Assembling



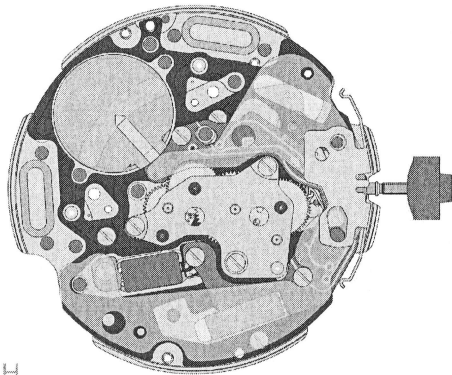
G

26. 4000.248 Screw 

27. 3503.068 Tube 

28. 3603.076 Circuit insulator 

29. 3601.107 Pusher contact spring
 Make shure, that the pusher contact spring is placed correctly onto the pillars.



H

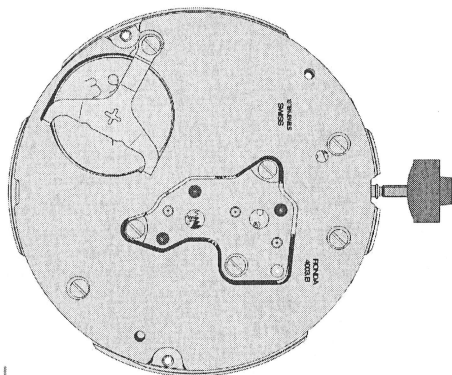
30. 3600.010 Battery
 Use a plastic tweezers to place the battery (to avoid short circuit of battery).



31. 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.

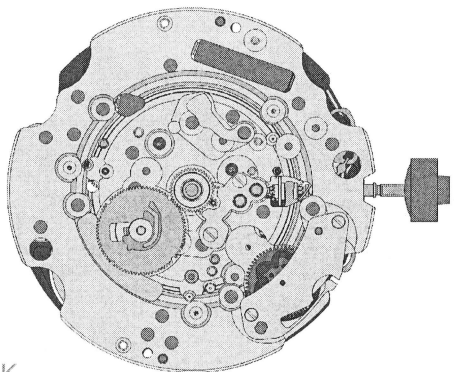
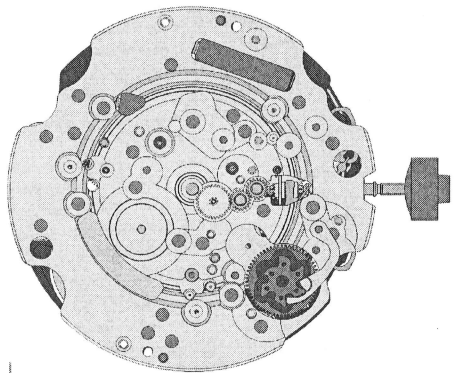
















32. 4000.250 Screw 



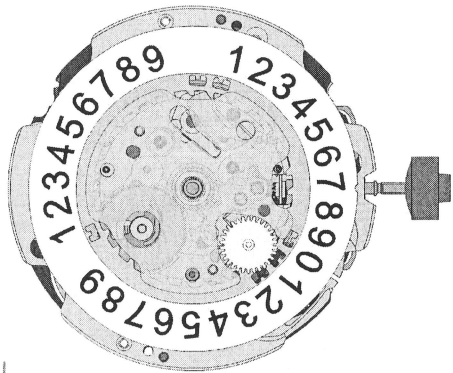
I

Assembling

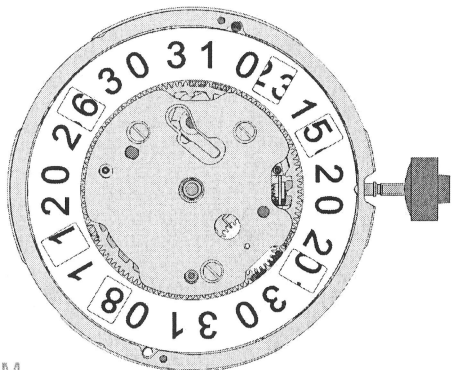


- | | | |
|-----|---|--|
| 33. | 2000.577.G | Main plate |
| |  | |
| 34. | 9014.000 | Moebius 9014
Use Moebius 9014 on bearing of all rubis |
| |  | |
| 35. | 3004.164 | Setting wheel
Use Jismaa 124 or Greace Moebius on both setting wheels. |
| |  | |
| 36. | 3007.054.CO | Minute wheel
Use Moebius 9020 |
| |  | |
| 37. | 2130.143 | Minute train bridge
Use 2 screws 4000.305 |
| |  | |
| 38. | 4000.305 | Screw |
| |  | |
| 39. | 3004.181 | Tens indicator driving wheel
The short tooth of the tens indicator driving wheel must point to the center of the movement. |
| |  | |
| 40. | 3500.059 | Tens jumper
Moebius 8200 greace must be placed between the tens jumper and the tens indicator driving wheel. |
| |  | |
| 41. | 2130.142 | Tens jumper maintaining plate
Make shure, that the tens indicator driving wheel is not blocked prior to the fastening process. Use 2 screws 4010.306. Place the spring loaded bracket outside of the tens jumper. |
| |  | |
| 42. | 4010.306 | Screw |
| |  | |
| 43. | 3301.285 | Hour wheel (Aig 0)
Use Moebius 9020 |
| |  | |
| 44. | 3315.016 | Hour wheel friction spring
Must be placed onto the hour wheel |
| |  | |
| 45. | 3004.176.CO | Date indicator driving wheel
Moebius 9020 must be used in the center of this wheel |
| |  | |
| 46. | 3500.049 | Date jumper
Moebius 8200 greace must be placed between the date jumper and the date jumper spring |
| |  | |












Assembling



L

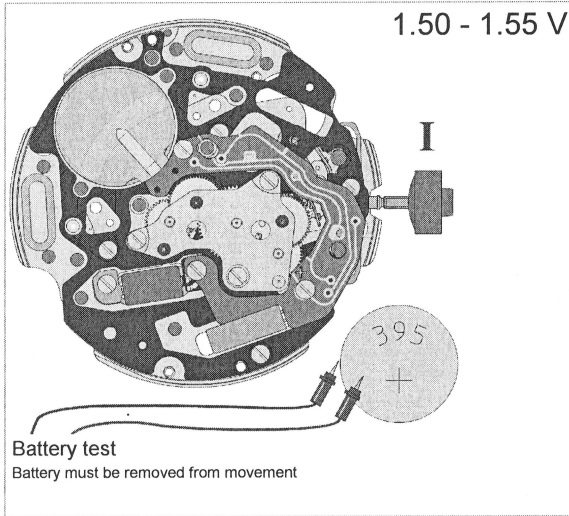


M

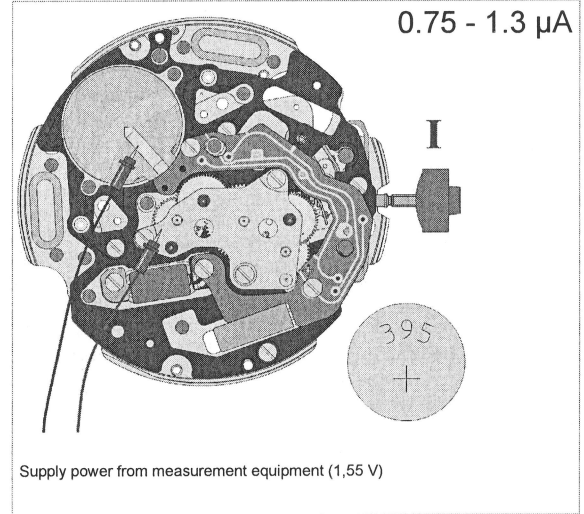
- 47. 3504.214.AD **Units indicator**
 Teeth must be greaced using Moebius 8200. The "half moon" cut out on the unit indicator must point to the stem (position 3h).

- 48. 3147.054 **Tens intermediate wheel**

- 49. 2130.141 **Date indicator maintaining plate**
 use 1 screw 4000.250

- 50. 3905.050 **Date jumper spring**
 Insert the spring into the opening of the date indicator maintaining plate

- 51. 3504.215.AD **Tens indicator (T3/G12)**
 The "half moon" cut out on the tens indicator must point to the stem (position 3h).

- 52. 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

- 53. 3506.072 **Dial support**

- 54. 4000.250 **Screw**

- 55. 9010.000 **Moebius 8200**
 Microgliss D5 can be used

- 56. 9018.000 **Jismaa 124**
 Greace Moebius or Microgliss D5 an be used

- 57. 9020.000 **Moebius 9020**


Electrical checking

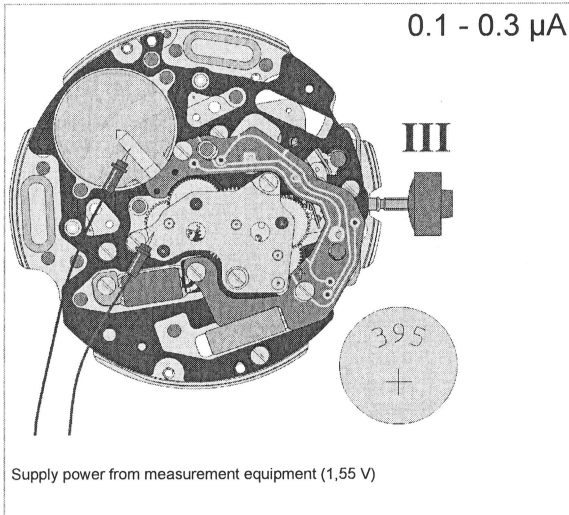
Voltage of battery



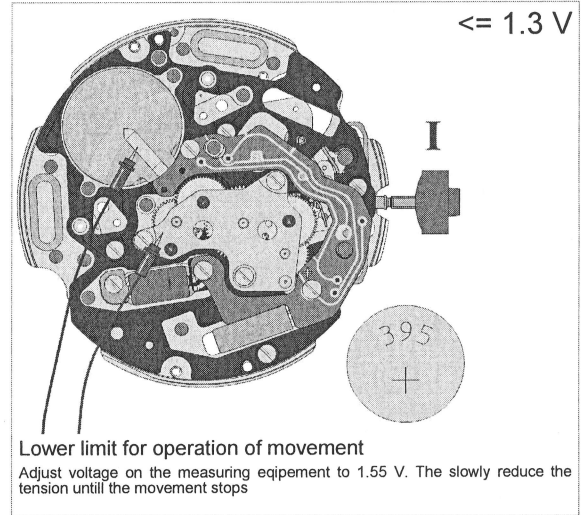
Consumption (M2) of movem. (Pos. I)



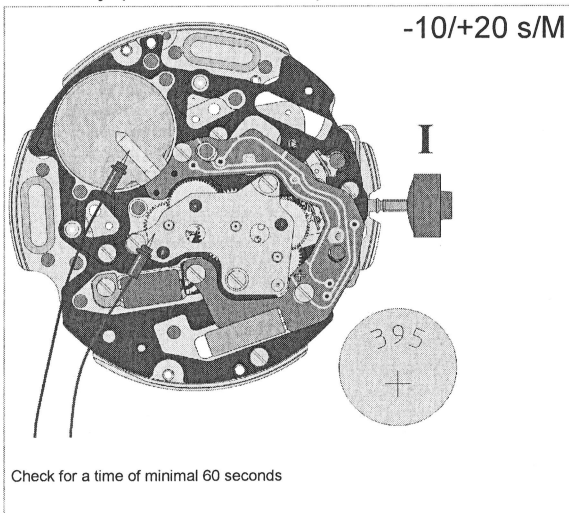
Consumption (M2) of movem. (Pos. III)



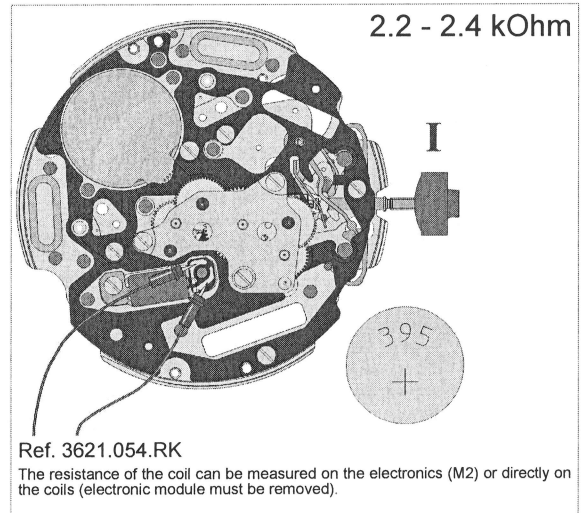
Lowest voltage for movement (M2)



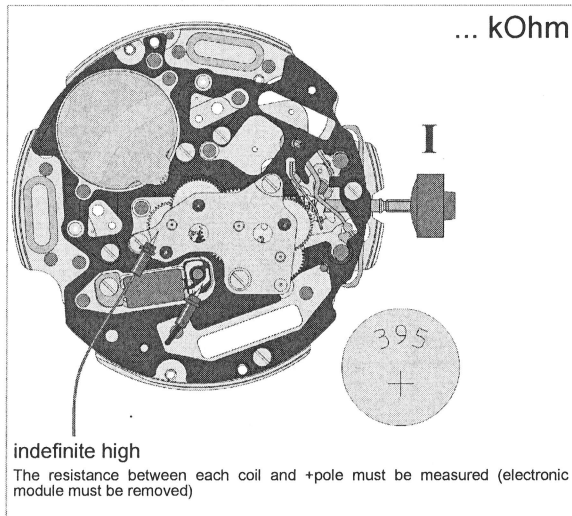
Accuracy (seconds / month)



Resistance of the coil (M2)



Coil insulation (M2)



Test of the motors

Accelerated test of movement (M1)

