RONDA

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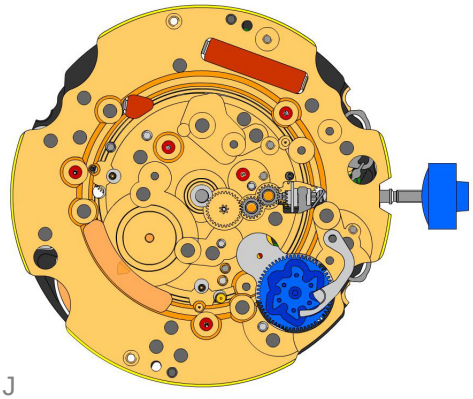
Technical Instructions 5050.B

Assembling



J

48. 2000.574.CO — Main plate

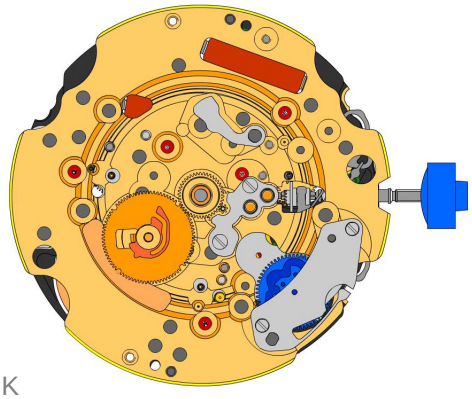
49. 9014.000 — Moebius 9014
Use Moebius 9014 on bearing of all rubis

50. 3004.164 — Setting wheel
Use Moebius 9020 on both setting wheels

51. 3007.054.CO — Minute wheel
Use Moebius 9020

52. 2130.143 — Minute train bridge
Use 2 screws 4000.305

53. 4000.305 — Screw



K

54. 3004.181 — Tens indicator driving wheel
The short tooth of the tens indicator driving wheel must point to the center of the movement.

55. 3500.059 — Tens jumper
Moebius 8200 greace must be placed between the tens jumper and the tens indicator driving wheel.

56. 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.

57. 4010.306 — Screw

58. 3301.242 — Hour wheel (Aig 2)
Use Moebius 9020

59. 3315.016 — Hour wheel friction spring
Must be placed onto the hour wheel

60. 3004.176.CO — Date indicator driving wheel
Moebius 9020 must be used in the center of this wheel

61. 3500.049 — Date jumper
Moebius 8200 greace must be placed between the date jumper and the date jumper spring

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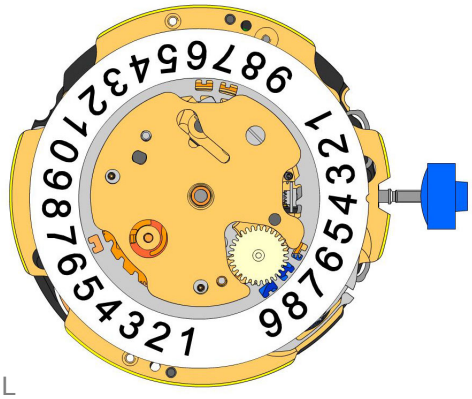
Assembling



L

62. 3504.214.AD — 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).

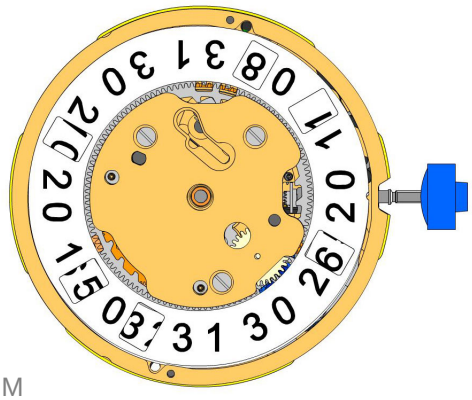
63. 3147.054 — Tens intermediate wheel


64. 2130.141 — Date indicator maintaining plate

use 1 screw 4000.250

65. 3905.050 — Date jumper spring

Insert the spring into the opening of the date indicator maintaining plate



M

66. 3504.215.AD — Tens indicator (T3/G12)

The "half moon" cut out on the tens indicator must point to the stem (position 3h).

67. 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

68. 3506.072 — Dial support


69. 4000.250 — Screw

70. 9010.000 — Moebius 8200

Microgliss D5 can be used

71. 9018.000 — Jismaa 124

Greace Moebius or Microgliss D5 an be used

72. 9020.000 — Moebius 9020


N

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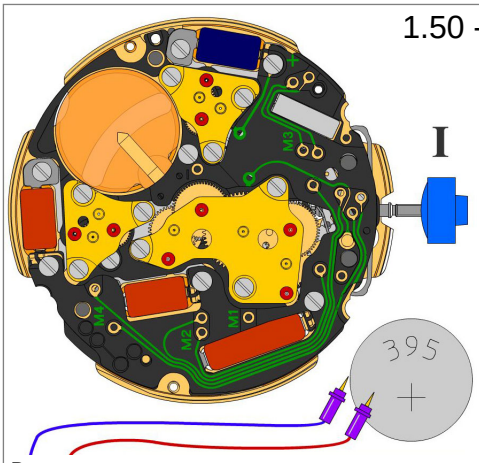
Electrical checking

Voltage of battery

1.50 - 1.55 V

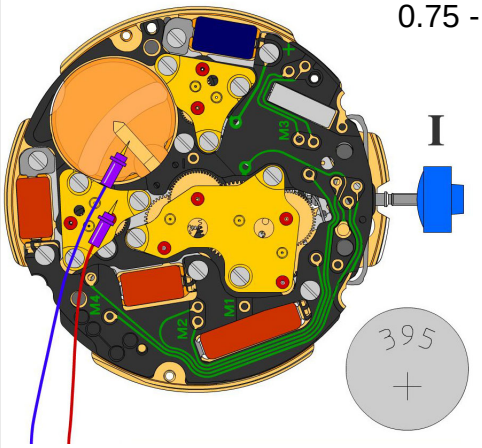


Battery test

Battery must be removed from movement

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

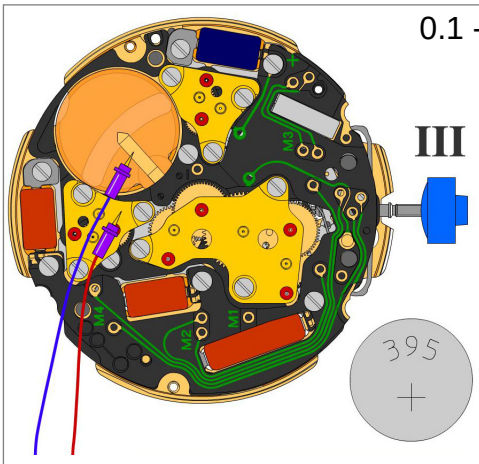
0.75 - 1.3 µA



Supply power from measurement equipment (1,55 V)

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

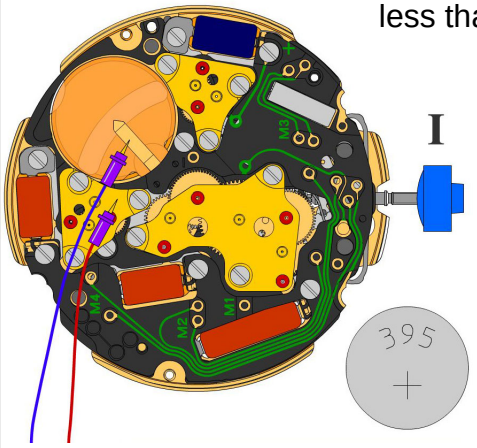
0.1 - 0.3 µA



Supply power from measurement equipment (1,55 V)

Lowest voltage for movement (M1)

less than 1.3V

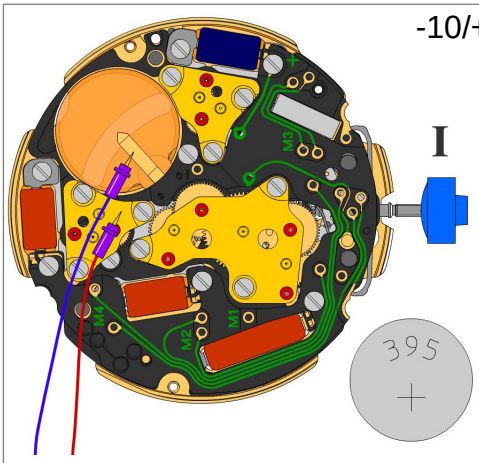


Lower limit for operation of movement

Adjust voltage on the measuring eqipement to 1.55 V. The slowly reduce the tension untill the movement stops

Accuracy (seconds / month)

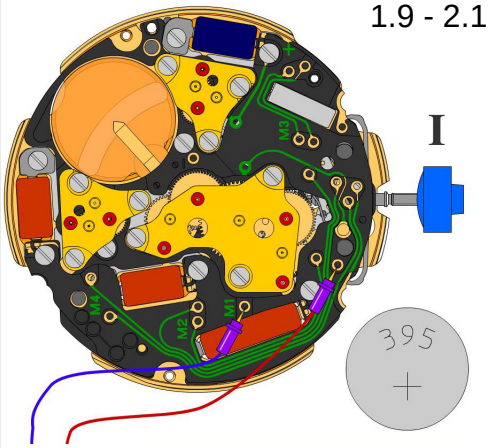
-10/+20 s/M



Check for a time of minimal 60 seconds

Resistance of the coil: motor 1 (movem.)

1.9 - 2.1 kOhm



Ref. 3621.053.RK

The resistance of the coil can be measured on the electronics (M1) or directly on the coils (electronic module must be removed).

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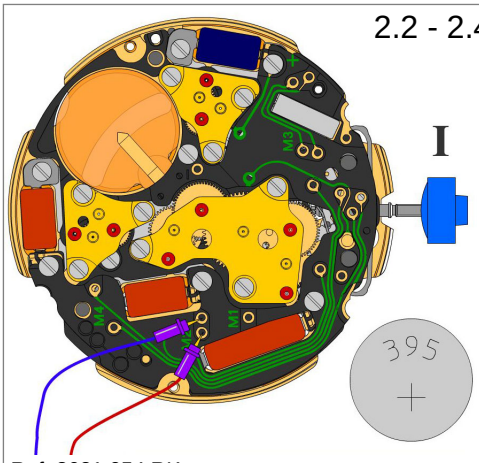
Electrical checking

Resistance of the coil: motor 2 (counter)

2.2 - 2.4 kOhm

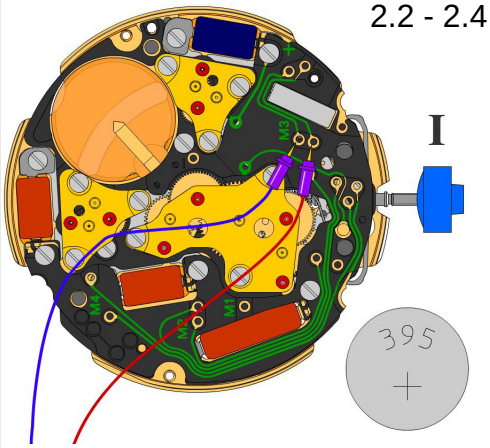


Ref. 3621.054.RK

The resistance of the coil can be measured on the electronics (M2) or directly on the coils (electronic module must be removed).

Resistance of the coil: motor 3 (counter)

2.2 - 2.4 kOhm

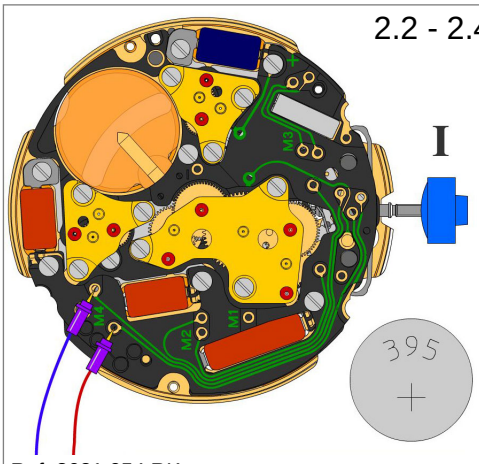


Ref. 3621.055.RK

The resistance of the coil can be measured on the electronics (M3) or directly on the coils (electronic module must be removed).

Resistance of the coil: motor 4 (counter)

2.2 - 2.4 kOhm

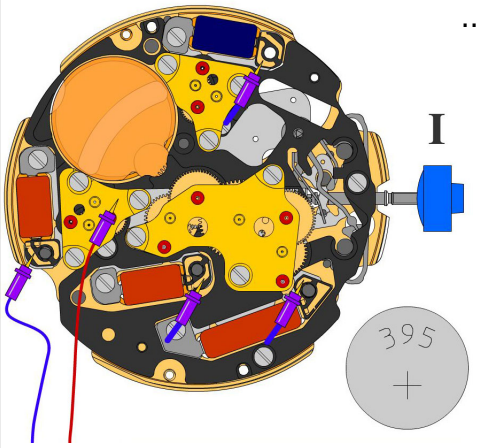


Ref. 3621.054.RK

The resistance of the coil can be measured on the electronics (M4) or directly on the coils (electronic module must be removed).

Coil insulation: motor 1, 2, 3 and 4

... kOhm



indefinite high

The resistance between each coil and +pole must be measured (electronic module must be removed)

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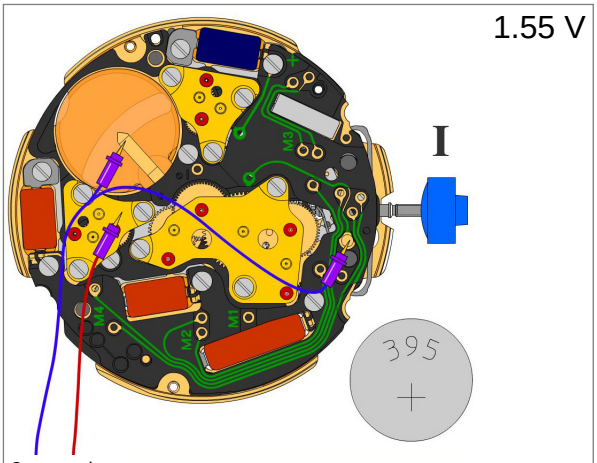
Test of the motors

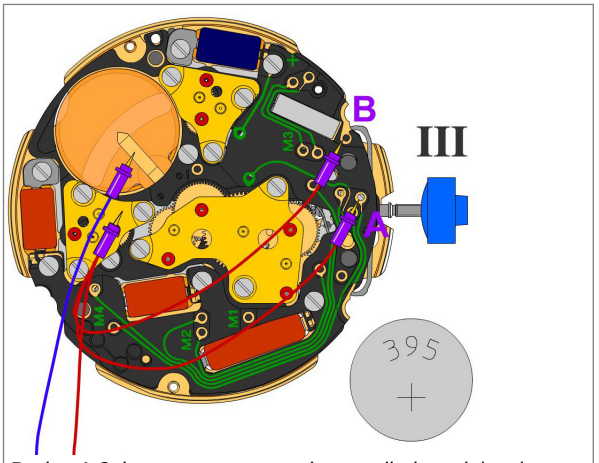
Accelerated test of movement (M1)



8 steps / sec.

To activate this test mode, the corresponding test point must be connected to the -Pole

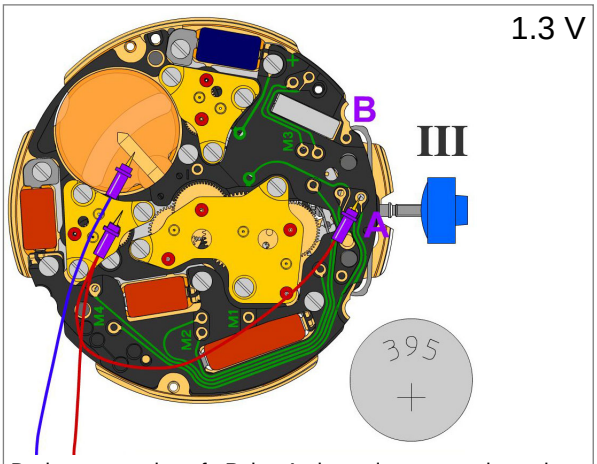
1. Activation of control mode (pos III)



During 1-3 the movement must by supplied continiously

Connect points A + B simultaneous for min. 2 seconds to the +Pol. Do not interrupt the supply voltage - stem pos III)

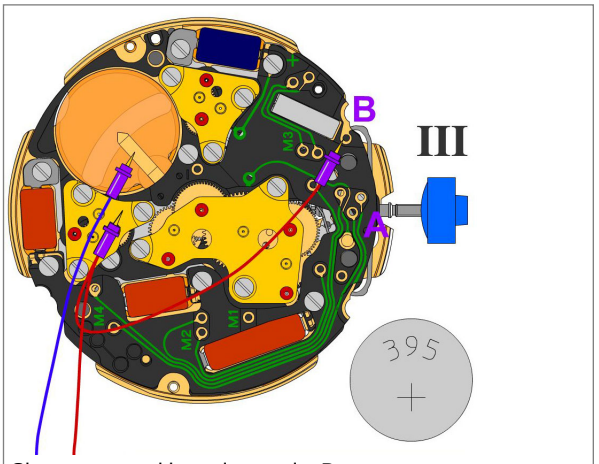
2. Check of active counter



During connection of +Pol to A, the active counter is turning.

Reduced the supply voltage to 1.3V to check the proper function of the counter. If the power supply is disconnected, the control mode must be starded again - section 1.

3. Change to the next counter



Short contact with +pole to point B

Change of active counter: M2-M3-M4-M2-M3- .After a timout of approx. 30 seconds since last contact, the control mode will be terminated.