RONDA

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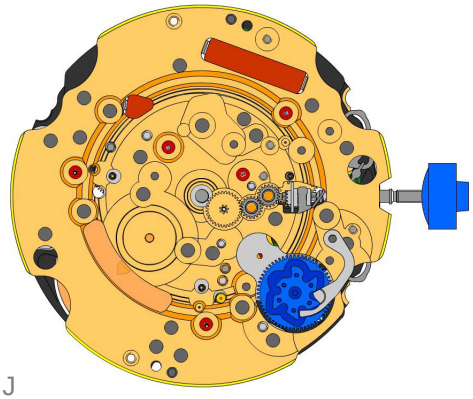
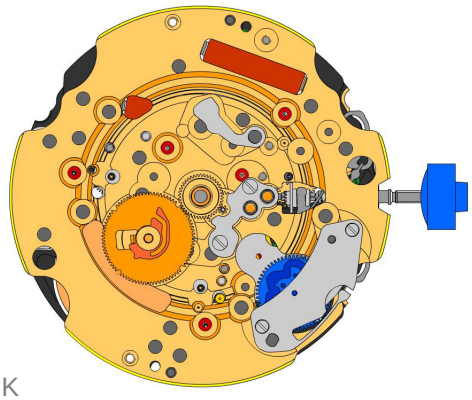
Technical Instructions 5130.B

Assembling



J



K

52. 2000.574.CO — Main plate

53. 9014.000 — Moebius 9014
Use Moebius 9014 on bearing of all rubis

54. 3004.164 — Setting wheel
Use Moebius 9020 on both setting wheels

55. 3007.054.CO — Minute wheel
Use Moebius 9020

56. 2130.143 — Minute train bridge
Use 2 screws 4000.305

57. 4000.305 — Screw

58. 3004.181 — Tens indicator driving wheel
The short tooth of the tens indicator driving wheel must point to the center of the movement.

59. 3500.059 — Tens jumper
Moebius 8200 greace must be placed between the tens jumper and the tens indicator driving wheel.

60. 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.

61. 4010.306 — Screw

62. 3301.241 — Hour wheel (Aig 1)
Use Moebius 9020

63. 3315.016 — Hour wheel friction spring
Must be placed onto the hour wheel

64. 3004.176.CO — Date indicator driving wheel
Moebius 9020 must be used in the center of this wheel

65. 3500.049 — Date jumper
Moebius 8200 greace must be placed between the date jumper and the date jumper spring

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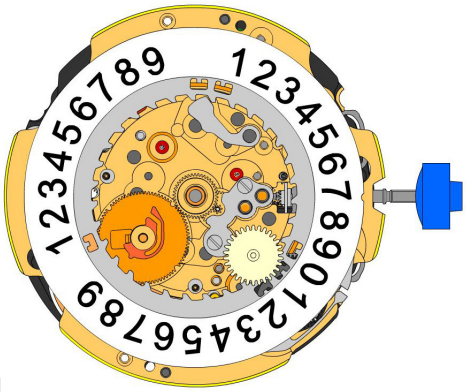


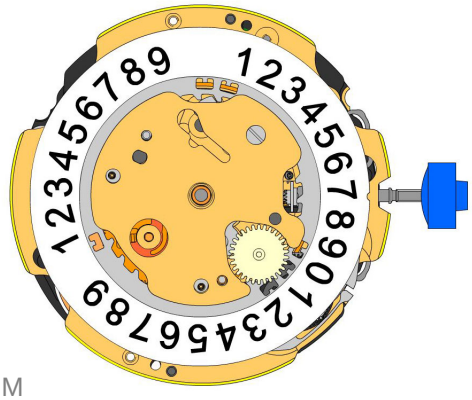
L

66. 3504.214.AF — 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).

67. 3147.054 — Tens intermediate wheel

68. 2130.141 — Date indicator maintaining plate
Use 1 screw 4000.250

69. 3905.070 — Date jumper spring
Insert the spring into the opening of the date indicator maintaining plate



M

70. 3504.216.AF — Tens indicator (T3/G12)
The "half moon" cut out on the tens indicator must point to the stem (position 3h).

71. 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

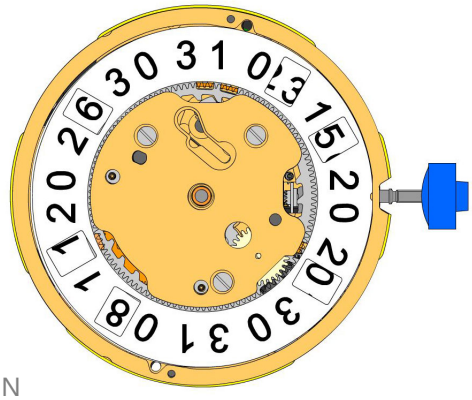
72. 3506.072 — Dial support

73. 4000.250 — Screw

74. 9010.000 — Moebius 8200
Microgliss D5 can be used

75. 9018.000 — Jismaa 124
Greace Moebius or Microgliss D5 an be used

76. 9020.000 — Moebius 9020



N

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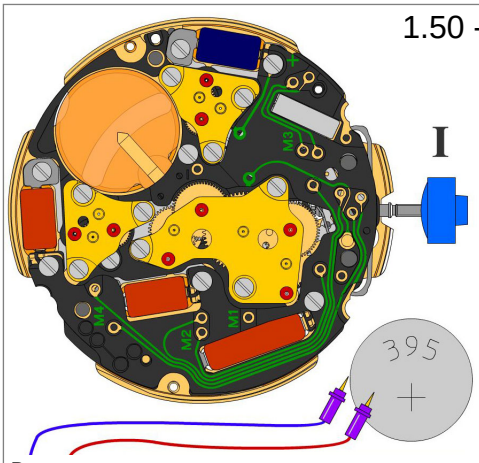
Electrical checking

Voltage of battery

1.50 - 1.55 V

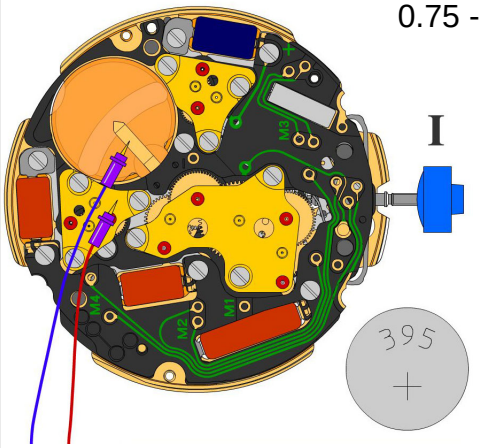


Battery test

Battery must be removed from movement

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

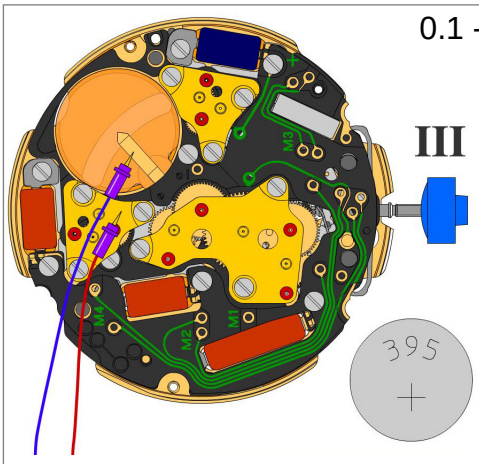
0.75 - 1.3 µA



Supply power from measurement equipment (1,55 V)

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

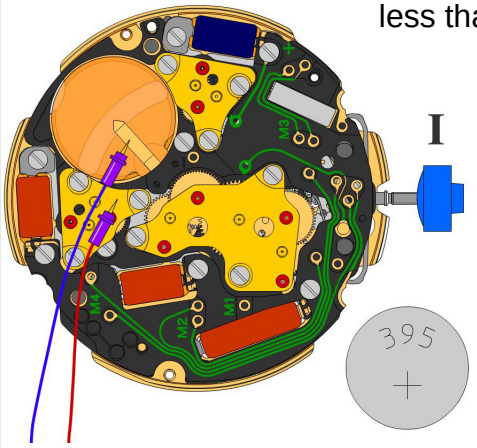
0.1 - 0.3 µA



Supply power from measurement equipment (1,55 V)

Lowest voltage for movement (M1)

less than 1.3V

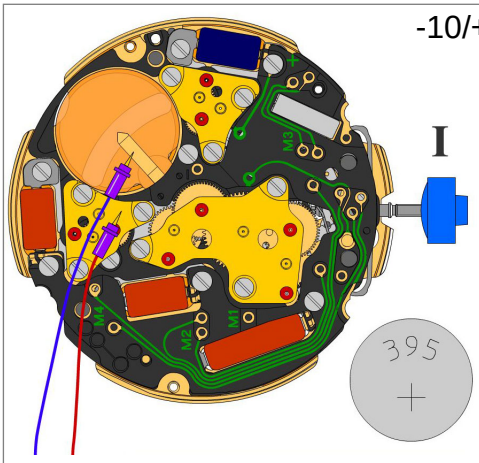


Lower limit for operation of movement

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

Accuracy (seconds / month)

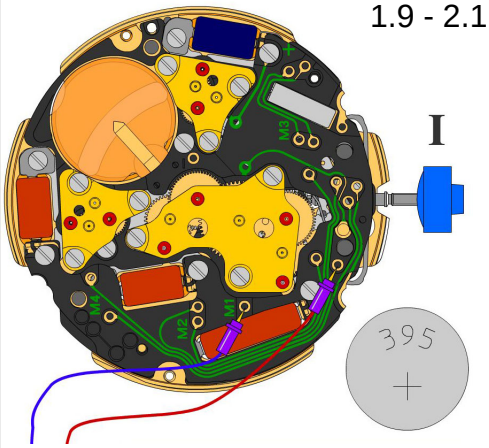
-10/+20 s/M



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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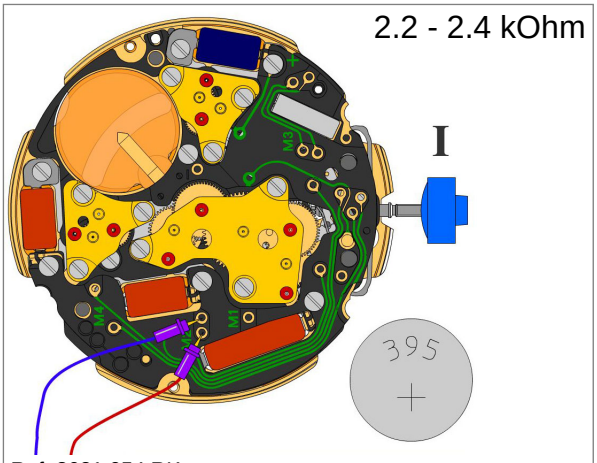
Electrical checking

Resistance of the coil: motor 2 (counter)

2.2 - 2.4 kOhm

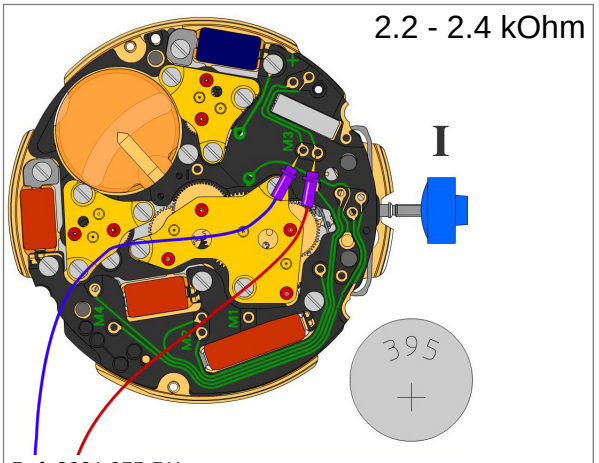


Ref. 3621.054.RK

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

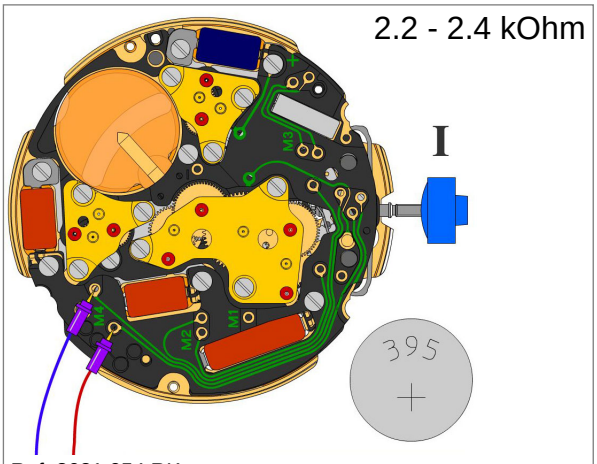


Ref. 3621.055.RK

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

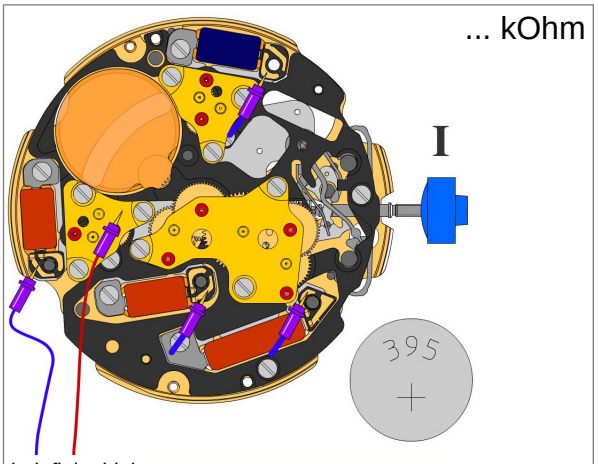


Ref. 3621.054.RK

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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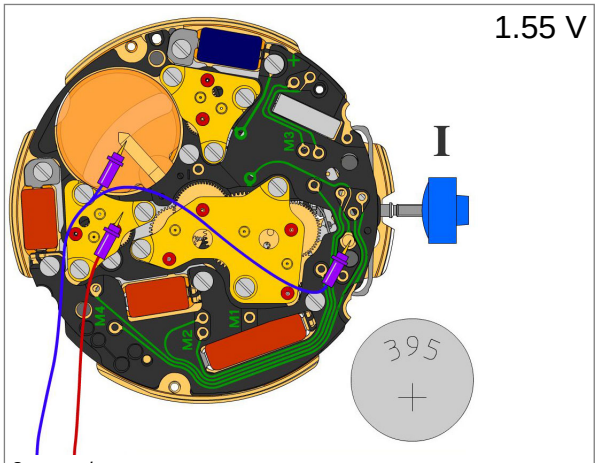
Test of the motors

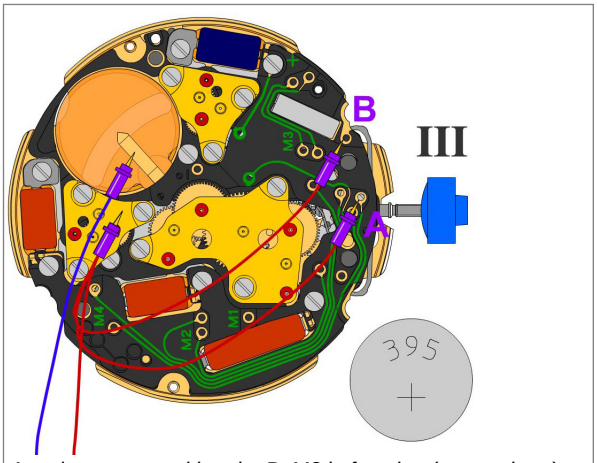
Accelerated test of movement (M1)



8 steps / sec.

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

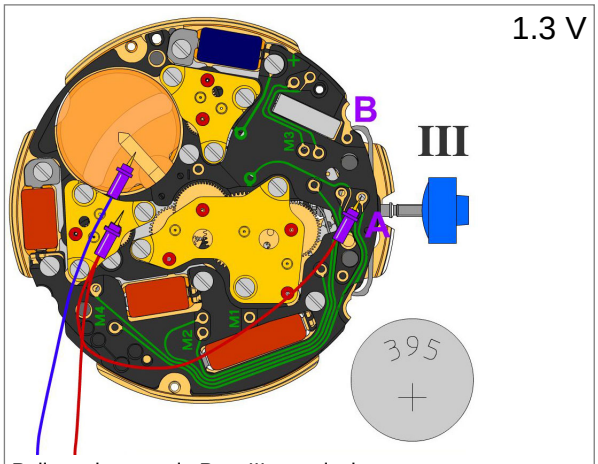
Test M3 (alarm)



At pole+ contact with point B, M3 in function (motor alarm)

Reduce the supply voltage to 1.3V for control. Contact of point B with +pole, after 2 seconds M3 begins to turn

Test chrono (M2, M4)



Pull out the stem in Pos. III, supply the movement

1. For activating the control mode, put in contact the points A + B min. 2 seconds. 2. At pole+ contact with point A, the active counter starts turning. 3. At short contact of the pole+ on point B, it is possible to switch between M2 and M4.