Assembling

J

K

46.	2000.574.CO	Main plate	
47.	9014.000	Moebius 9014	
		Use Moebius 9014 on bearing of all rubis
48.	3004.164	Setting wheel	
		Use Moebius 9020 on both setting wheels
49.	3007.054.CO	Minute wheel	
		Use Moebius 9020
50.	2130.143	Minute train bridge	
		Use 2 screws 4000.305
51.	4000.305	Screw	

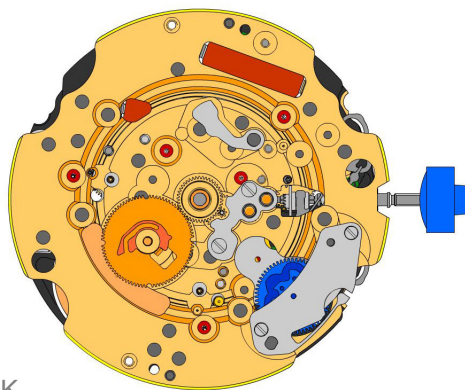| 52. | 3004.181 | Tens indicator driving wheel | |
		The short tooth of the tens indicator driving wheel must point to the center of the movement.
53.	3500.059	Tens jumper	
		Moebius 8200 greace must be placed between the tens jumper and the tens indicator driving wheel.
54.	2130.142	Tens jumper maintaining 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.
55.	4010.306	Screw	

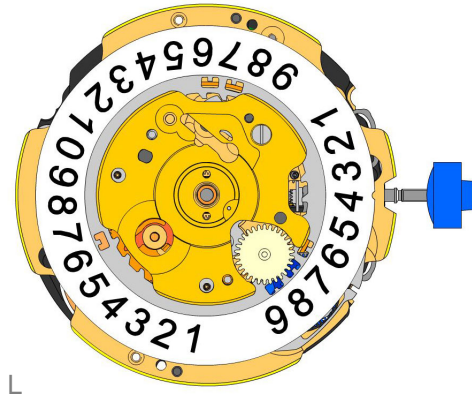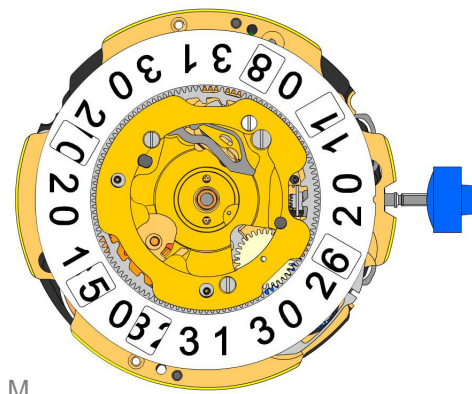| 56. | 3301.242 | Hour wheel (Aig 2) | |
		Use Moebius 9020
57.	3315.016	Hour wheel friction spring	
		Must be placed onto the hour wheel
58.	3004.176.CO	Date indicator driving wheel	
		Moebius 9020 must be used in the center of this wheel
59.	3500.049	Date jumper	
		Moebius 8200 greace must be placed between the date jumper and the date jumper spring

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Technical Instructions   5050.C

Assembling

L

M

N

60.	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).
61.	3147.054	Tens intermediate wheel	
62.	2130.163	Date indicator maintaining plate	use 1 screw 4000.282
63.	3905.050	Date jumper spring	Insert the spring into the opening of the date indicator maintaining plate
64.	3504.215.AD	Tens indicator (T3/G12)	The "half moon" cut out on the tens indicator must point to the stem (position 3h).
65.	3500.055	Day jumper	
66.	3004.175	Day finger	
67.	2130.162	Date mechanism maintaining plate	Assure that the tens intermediate wheel is not blocked, prior to the fastening process. Use 2 screws 4000.312 and 1 screw 4000.300 to fix the date indicator maintaining plate.
68.	3508.155	Day indicator	
69.	2130.164	Day indicator maintainin plate	
70.	3506.072	Dial support	
71.	4000.250	Screw	
72.	4000.282	Screw	
73.	4000.300	Screw	
74.	4000.311	Screw	
75.	4000.312	Screw	
76.	9010.000	Moebius 8200	Microgliss D5 can be used
77.	9018.000	Jismaa 124	Greace Moebius or Microgliss D5 an be used
78.	9020.000	Moebius 9020	
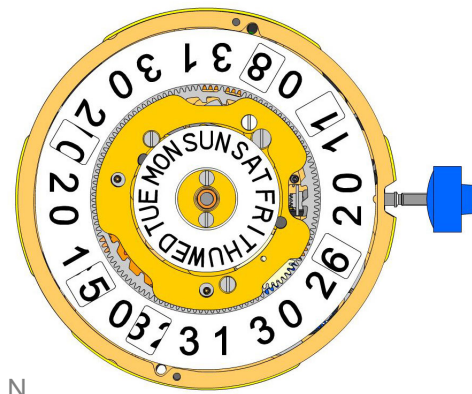
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Voltage of battery

1.50 - 1.55 V

I

Battery test
Battery must be removed from movement

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

0.75 - 1.3 µA

I

Supply power from measurement equipment (1,55 V)

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

0.1 - 0.3 µA

III

Supply power from measurement equipment (1,55 V)
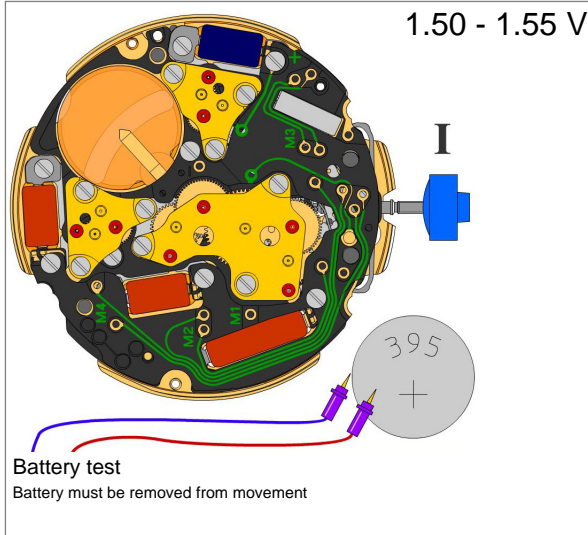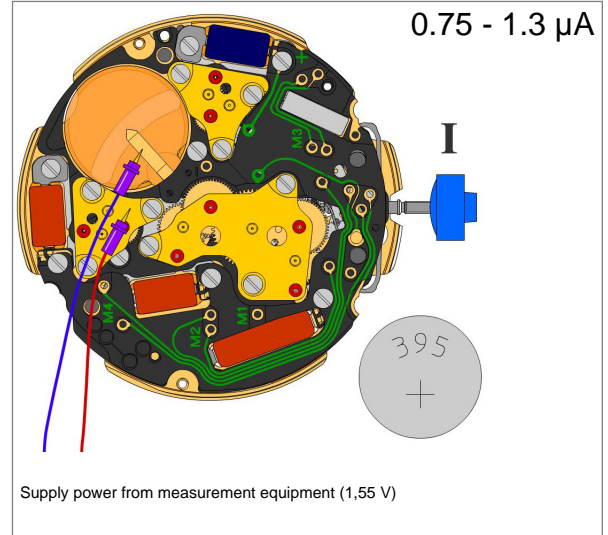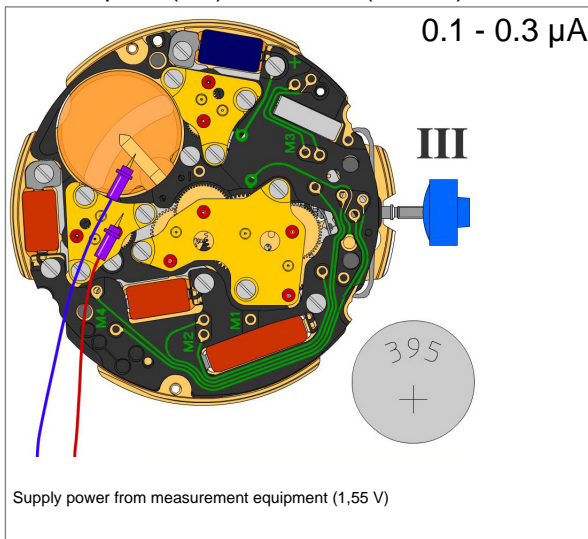
Lowest voltage for movement (M1)

less than 1.3V

I

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

I

Check for a time of minimal 60 seconds
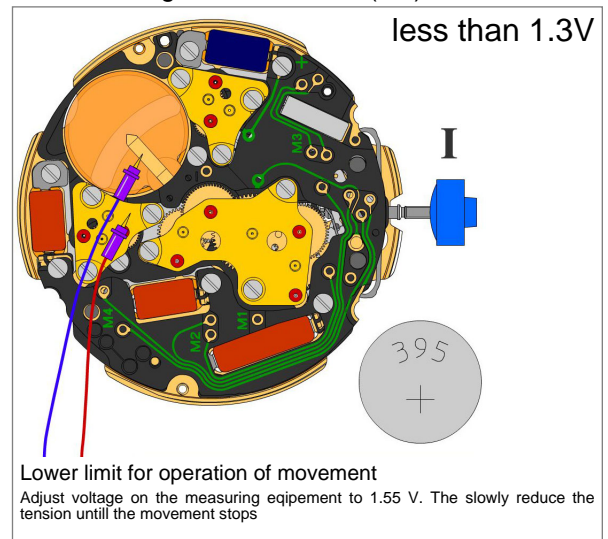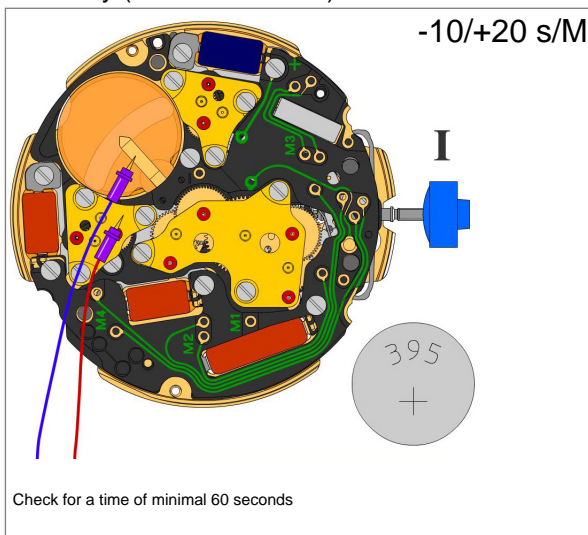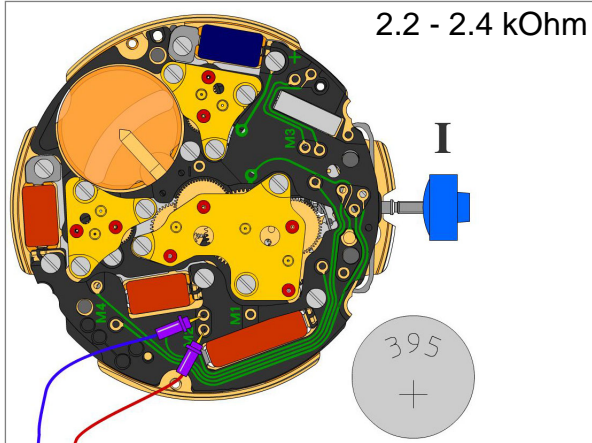
Resistance of the coil: motor 1 (movem.)

1.9 - 2.1 kOhm

I

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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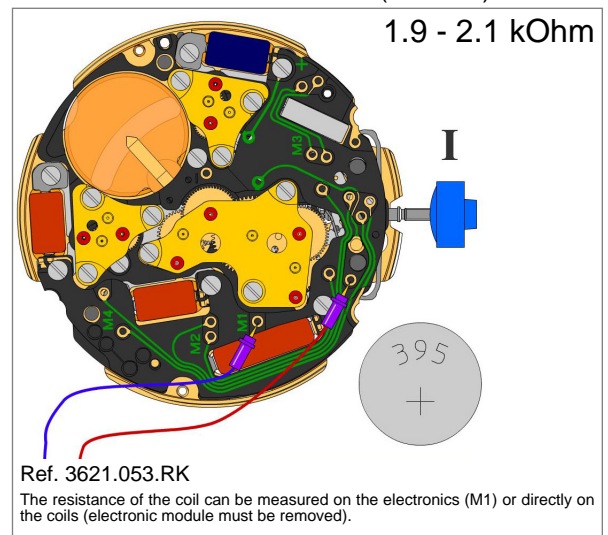
Resistance of the coil: motor 2 (counter)

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).

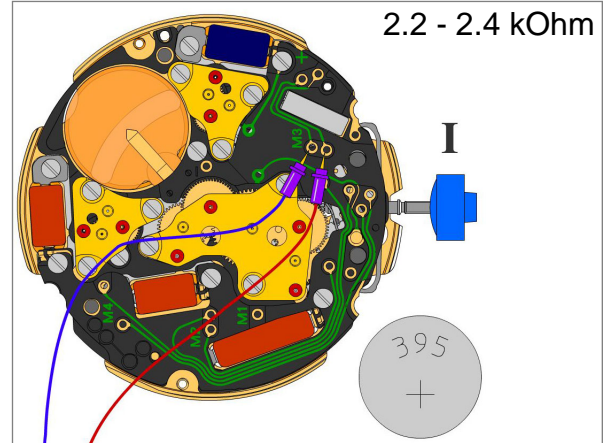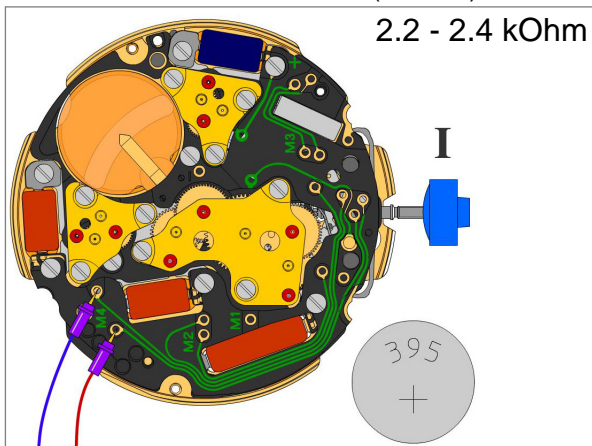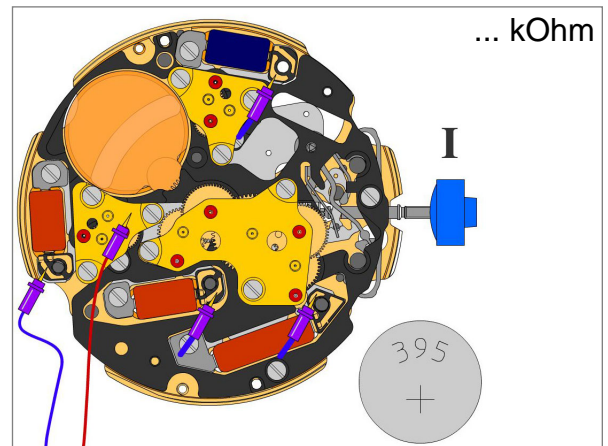## Resistance of the coil: motor 4 (counter)

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).

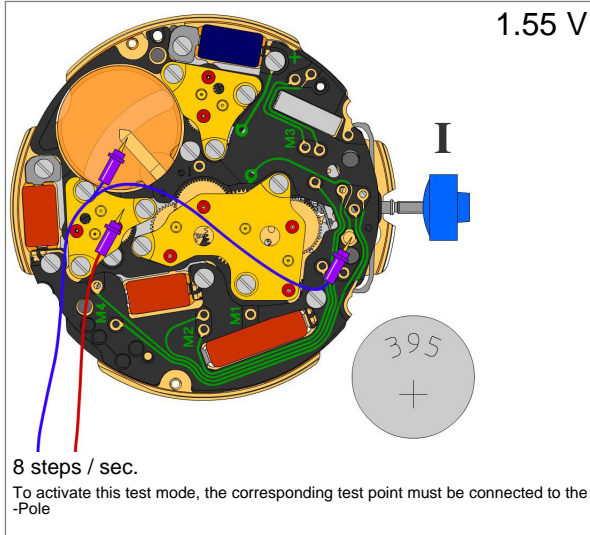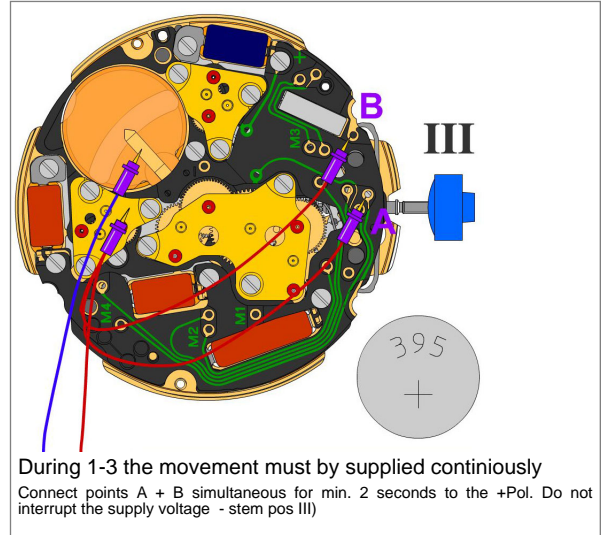## Coil insulation: motor 1, 2, 3 and 4

... kOhm

indefinite high

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

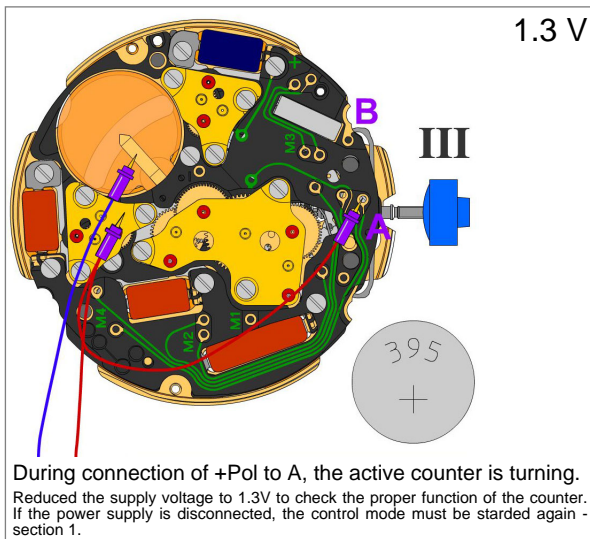# Technical Instructions   5050.C

Test of the motors

Accelerated test of movement (M1)

1.55 V

I

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)

B

III

A

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

1.3 V

B

III

A

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

B

III

A

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.