Technical Instructions   6003.B

Specification

11 ½'''

Dimensions and battery

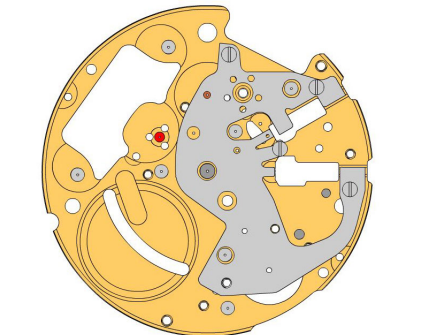|	
ø Total	26.2 mm
ø Case fitting	25.6 mm
Movement height	3.30 mm
Movement rest	1.40 mm
Height of stem	1.80 mm
Stem: Thread / Distance	0.90 mm / 0.90 mm
Battery / Autonomy	Nr. 373 / 36 Months

Performances

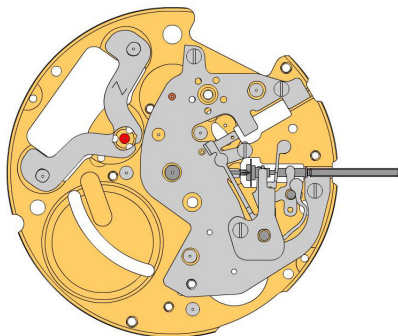|	
	Second hand: 6 µNm
Torque T	Minute hand: 300 µNm
Operating temperature	0°C - 50°C
Res. against magn. fields	18.8 Oe = 1500 A/m
Resistance against shock	NIHS 91 - 10

Functions

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

CE

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Assembling
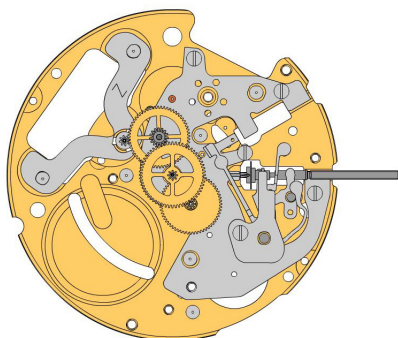
1.	2000.626.G	Main plate
2.	2130.167	Centre bridge
		Use 4 screws 4000.300 to fix the center bridge.
3.	4000.300	Screw

A

4.	3017.052	Setting lever
		The cam on the setting lever must be inserted into the cut out on the stem. (the setting lever must be greaced)
5.	3015.074	Yoke (3 positions)
		The yoke must be inserted below, into the cut out of the sliding pinion.
6.	3001.042	Sliding pinion
		The sliding ponion must be holded using a tweezers, untill the stem is inserted.
7.	3000.189.CO	Handsetting stem
		Prior to the insertion of the stem, some greace must be placed on the square part of the stem.
8.	2020.166	Yoke bridge
		Use 1 screw 4000.244.
9.	4000.244	Screw
10.	3622.042	Stator

B

11.	3715.103.RK	Rotor centre
		Use an antimagnetic tweezers to place the rotor.
12.	3147.056.CO	Intermediate wheel
13.	3122.059.CO	Third wheel
14.	3136.160.CO	Second wheel (height 1)

C

Assembling
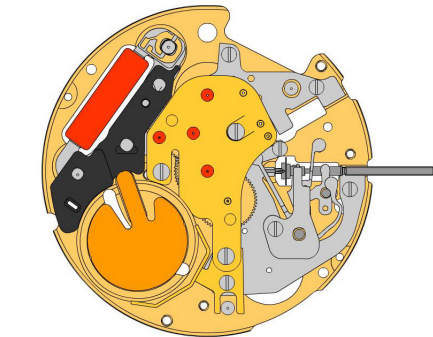
D
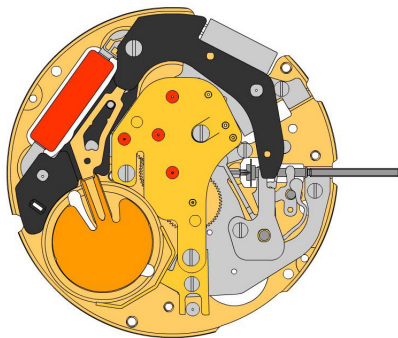
E
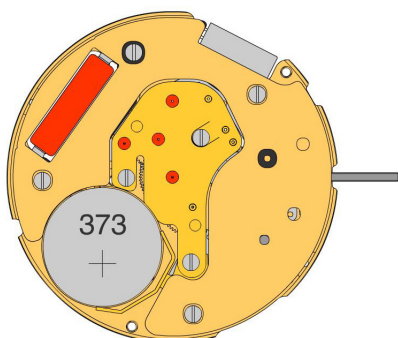
F

|		
15.	2020.167.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 4000.279.
16.	4000.279	Screw
17.	3601.117	Battery contact spring
		Use 1 screw 4000.244.
18.	4000.244	Screw
19.	3621.060.RK	Coil (movment)
		The wire of the coil (red area) is very sensitiv to mechanical impacts. Hold the coil only ouside the red area.£Fix the coil by 1screw 4000.250.
20.	3603.074	Bride insolator
21.	3603.075	Battery insulator
22.	3601.116	Bridle (-)
		Make shure, that the pusher contact spring is placed correctly onto the pillars.
23.	3612.181.6003	Electronic module
		After assembly of the electronic module it is the best time to perform the electrical measurements. Use 1 screw 4000.318 to fix the electronic module.
24.	4000.318	Screw
25.	2130.168.6003.B	Electronic module cover (counter 6h)
		Use 3 screws 4000.102 to fix the electronic module cover
26.	4000.102	Screw
27.	3600.031	Battery
		Use a plastic tweezers to place the battery (to avoid short circuit of battery).

Assembling

G
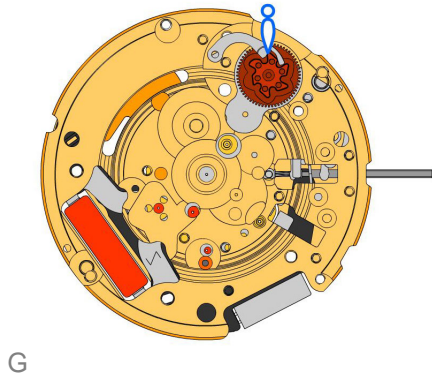
28. 2000.626.Gb   Main plate

29. 9014.000   Moebius 9014

Use Moebius 9014 on bearing of all rubis

30. 3004.188   Tens indicator driving wheel

The short tooth of the tens indicator driving wheel must point to the center of the movement.

31. 3500.060   Tens jumper

Moebius 8200 greace must be placed between the tens jumper and the tens indicator driving wheel.

H
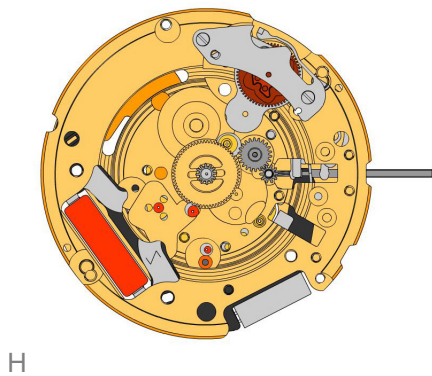
32. 2130.171   Tens jumper maintaining plate

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.

33. 4010.306   Screw

34. 3004.182   Setting wheel

Use Moebius 9020

35. 3004.183   Setting wheel inter.

36. 3305.305.CO   Date indicator driving wheel

Moebius 9020 must be used in the center of this wheel
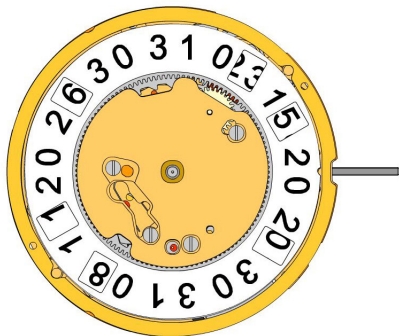

I
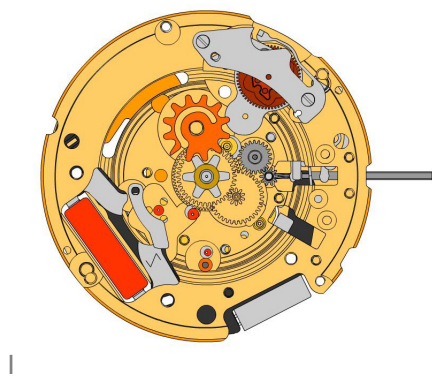
37. 3007.073

38. 3301.271.CO   Hour wheel (Aig 1)

39. 3315.001   Hour wheel friction spring

40. 3004.187   Date indicator driving wheel

Moebius 9020 must be used in the center of this wheel.

41. 3500.061   Date jumper

Moebius 8200 greace must be placed between the date jumper and the date jumper spring

Technical Instructions   6003.B

Assembling
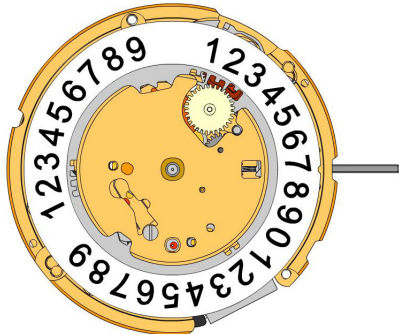
42. 3504.217   Units indicator

Teaths must be greaced using Moebius 8200. The "half moon" cut out on the unit indicator must point to the stem (position 3h).

43. 3147.057   Tens intermediate wheel

44. 2130.169   Date indicator maintaining plate

use 1 screw 4000.312

45. 3905.050   Date jumper spring

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

J

K

46. 3504.218   Tens indicator (T3/G12)

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

47. 2130.170   Date mechanism maintaining plate

Assure that the tens intermediate wheel is not blocked, prior to the fastening process. Use 3 screws 4000.312 to fix the date indicator maintaining plate.

48. 4000.312   Screw

49. 3506.075.G   Dial support

50. 9010.000   Moebius 8200

Microgliss D5 can be used

51. 9018.000   Jismaa 124

Greace Moebius or Microgliss D5 an be used

52. 9020.000   Moebius 9020

Voltage of battery

1.50 - 1.55 V

I

373 +

Battery test
Battery must be removed from movement

Consumption of movem. (Pos. I)

0.9 - 1.3 µA

I

373 +

Supply power from measurement equipment (1,55 V)

Consumption of movem. (Pos. III)

0.08 - 0.2 µA

III

373 +

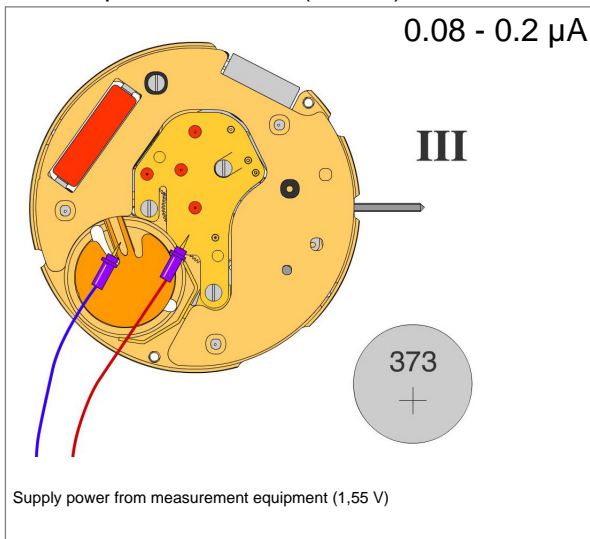Supply power from measurement equipment (1,55 V)
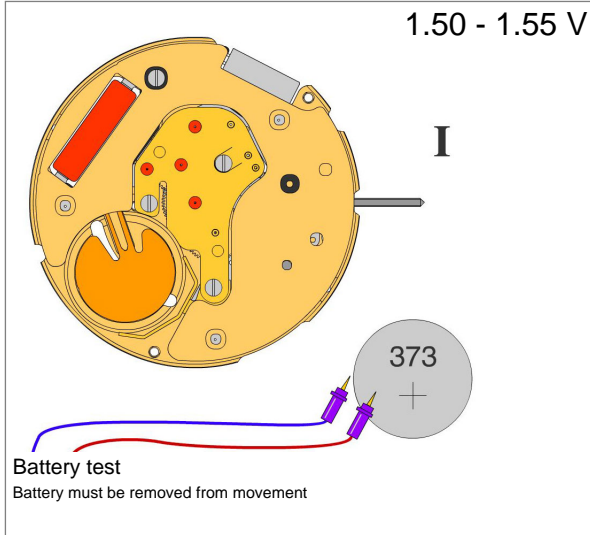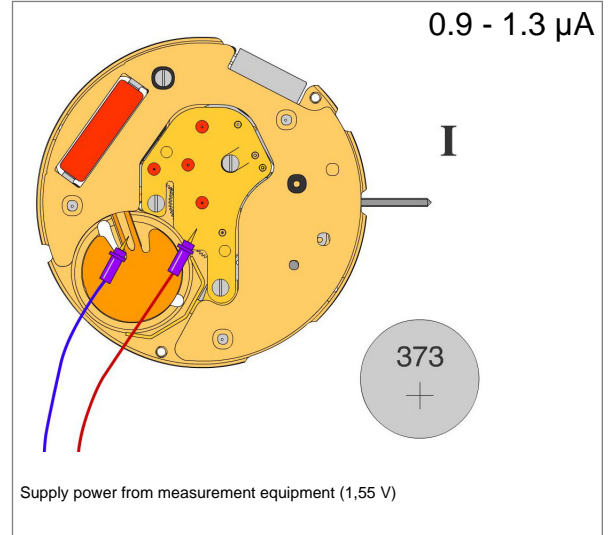
Lowest voltage for movement

<= 1.3 V

I

373 +

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

373 +

Check for a time of minimal 60 seconds

Resistance of the coil

1.6 - 1.8 kOhm

I

373 +

Ref. 3621.060.RK
The resistance of the coil can be measured on the electronics (M2) or directly on the coils (electronic module must be removed).

![RONDA logo] **RONDA**

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Electrical checking

Coil insulation

... kOhm

I

373
+

indefinite high

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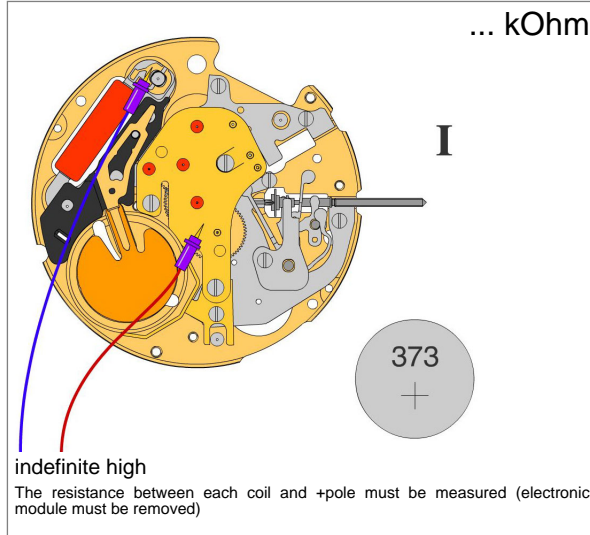
Accelerated test of movement

1.55 V

I

373
+

8 steps / sec.

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