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# Technical Instructions 5020.B

# Assembling

45. <u>2000.574.CO</u>	Main plate
46. 9014.000	Moebius 9014
	Use Moebius 9014 on bearing of all rubis
47. 3004.164	Setting wheel
000	Use Moebius 9020 on both setting wheels
48. 3007.054.CO	Minute wheel
•••	Use Moebius 9020
49. <u>2130.143</u>	Minute train bridge
Q.	Use 2 screws 4000.305
50. 4000.305	Screw
e Ø	
51. <u>3004.181</u>	Tens indicator driving wheel
œ	The short tooth of the tens indicator driving wheel must point to the center of the movement.
52. <u>3500.059</u>	Tens jumper
	Moebius 8200 greace must be placed between the tens jumper and the tens indicator driving wheel.
53. <u>2130.142</u>	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.
54. <u>4010.306</u>	Screw

55.	3301.242	Hour wheel (Aig 2)
	<b>o</b>	Use Moebius 9020
56.	3315.016	Hour wheel friction spring
	0	Must be placed onto the hour wheel
57.	3004.176.CO	Date indicator driving wheel
	<b>@</b> ••	Moebius 9020 must be used in the center of this wheel
58.	3500.049	Date jumper
	~	Moebius 8200 greace must be placed between the date jumper and the date jumper spring



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59. 3504.214.AD	Units indicator
a constant	Teaths must be greaced using Moebius 8200. The "half moon" cut out on the unit indicator must point to the stem (position 3h).
60. 3147.054	Tens intermediate wheel
CONTRACTOR DE CO	
61. 2130.141	Date indicator maintaining plate
	use 1 screw 4000.250
62. 3905.050	Date jumper spring
/	Insert the spring into the opening of the date indicator maintaining plate



63. <u>3504.215.AD</u>	Tens indicator (T3/G12) The "half moon" cut out on the tens indicator must point to the stem (position 3h).
64. <u>2130.140</u>	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
65. <u>3506.072</u>	Dial support
$\bigcirc$	
66. <u>4000.250</u>	Screw
© 1	
67. <u>9010.000</u>	Moebius 8200
$\bigcirc$	wicrogiiss D5 can be used
68. <u>9018.000</u>	Jismaa 124
000	Greace Moebius or Microgliss D5 an be used
69. <u>9020.000</u>	Moebius 9020
•••	



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#### Voltage of battery



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



Supply power from measurement equipment (1,55 V)

Accuracy (seconds / month)



# Electrical checking

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



# Lowest voltage for movement (M1)



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

Resistance of the coil: motor 1 (movem.)





#### Resistance of the coil: motor 2 (counter)



Kef. 3621.054.KK The resistance of the coil can be measured on the electronics (M2) or directly on the coils (electronic module must be removed).

# **Electrical checking**

Resistance of the coil: motor 4 (counter)



# Coil insulation: motor 1, 2 and 4



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



#### Accelerated test of movement (M1)



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

#### 2. Check of active counter



During connection of +Pol to A, the actual 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. 1. Activation of control mode (pos III)

Test of the motors



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)

#### 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.