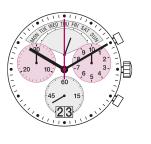
RONDA mastertech 8000

XXL Chronographs, Retrograde and Big Date

Caliber 8040.N – 15'''







Product Specifications

Analog quartz movement	
Line	master
Caliber	8040.
Size	15'''
Version Swiss Made	13 Jev
Standard battery life	48 mc
Hand fitting height	1

ertech).N

wels / gold plated

onths

Features

- Very long battery life
- Repairable metal watch movement
- Power saving mechanism with pulled out stem: Reduction of consumption approximately 70%
- Very easy handling by two pushers
- Big date with quick change

RONDA mastertech

Caliber 8040.*N* – 15^{...}

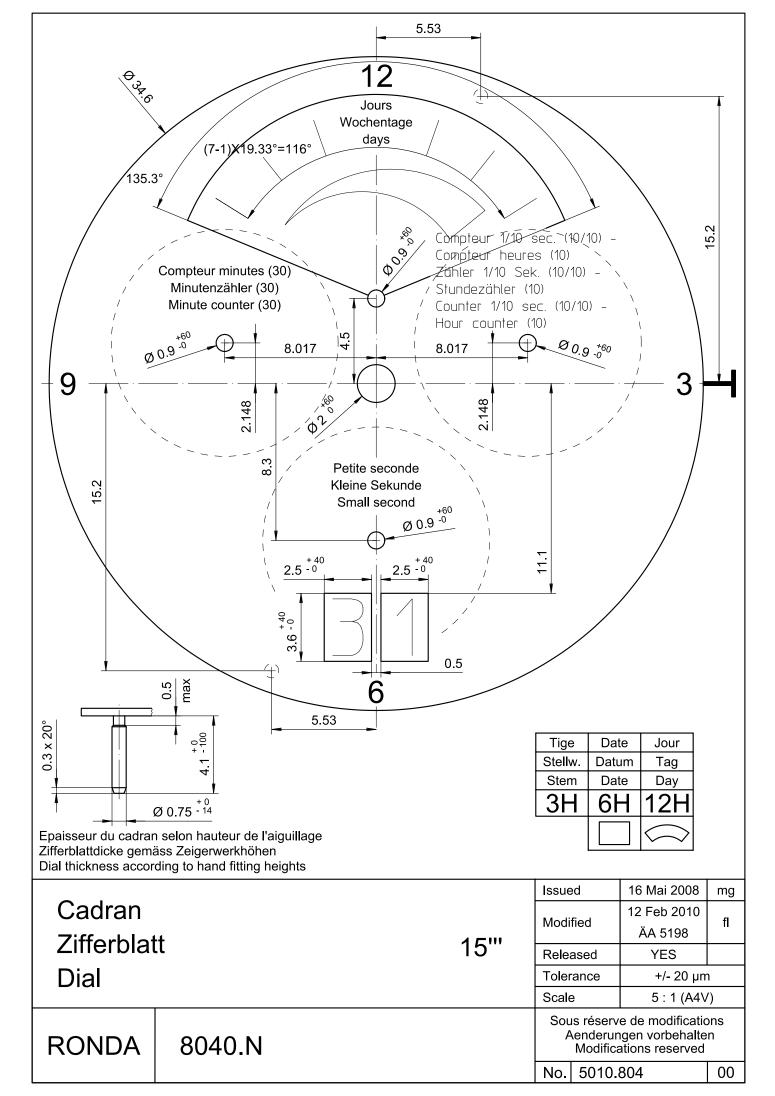
Functions

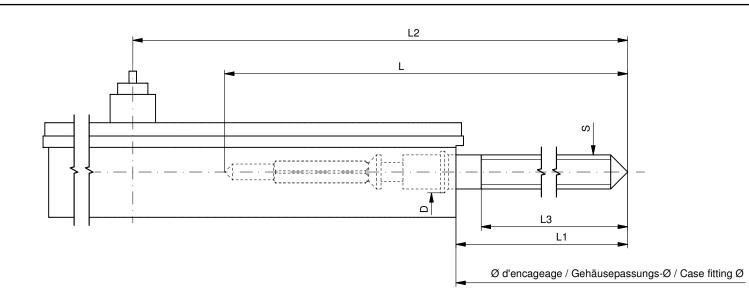
– Chronograph

- Center stop second (1/1 sec)
- 1/10 seconds up to 30 minutes
- 30 minute counter
- 10 hour counter
- ADD and SPLIT functions
- 3 eyes
- Day indicator
- Big date
- Small second
- Day Retrograde
- Retrograde

Technical Specifications	
Diameter Total	34.60 mm
Case fitting	33.80 mm
Movement height	5.60 mm
Height over standard battery	5.60 mm
Movement rest	0.60 mm
Height over stem	3.30 mm
Length of stem travel	1.00 mm
Stem thread	0.90 mm
Standard battery	395
Standard battery life	48 months
Battery voltage	1.5 V
Current consumption – typical	1.48 µA (Date Mechanism not in Gear)
Current consumption – maximum	2 μA (Date Mechanism not in Gear)
Useful torque second – typical	6 µNm
Useful torque minute – typical	300 µNm
Useful torque center stop second – typical	7μNm
Operating temperature	0 - 50 °C
Instantaneous rate	-10/ +20 sec/month
Resistance to magnetic fields	18.8 Oe
Resistance against shock	NIHS 91-10





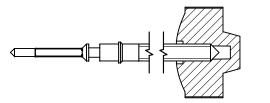


Tige de travail (intégrée dans le mouvement) Arbeitstellwelle (im Werk eingebaut) Working stem (implemented in the movement)

	•			,		-
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.203.CO	21.30	11.67	28.57	11.12	0.90	1.10

Tige (normale) / Stellwelle (normal) / Stem (normal)

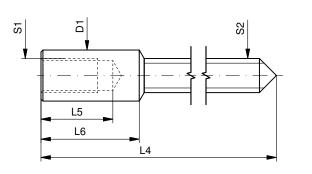
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.203	21.30	11.67	28.57	11.12	0.90	1.10



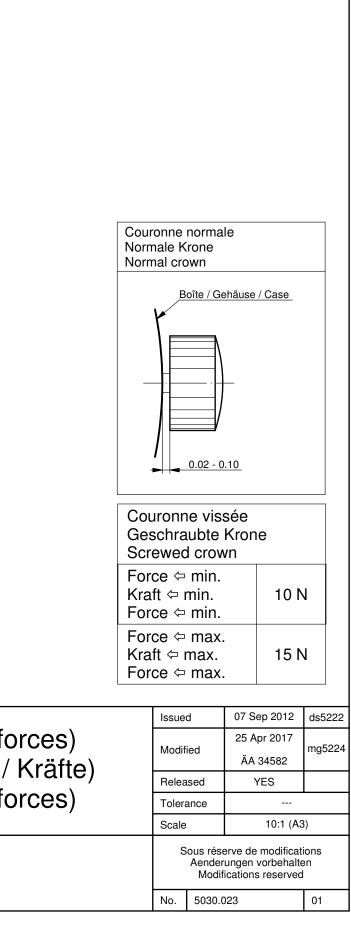
Couleur de la couronne	gris foncé
Kronenfarbe	dunkelgrau
Crown color	dark grey
Code	UN 7005

|--|

No. d'article Artikelnummer Part number	L4	L5 (min)	L6	S1	S2	D1
3000.040	12.00	1.90	2.60	0.90	0.90	1.35



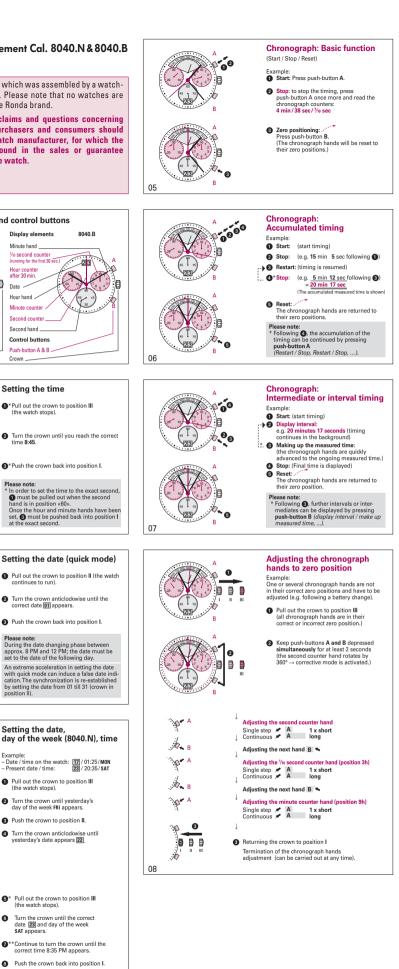
Tige Stellwell Stem	(dimensions / fo e (Dimensionen / (dimensions / fo
RONDA	8040.B, 8040.N

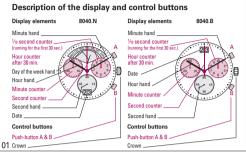


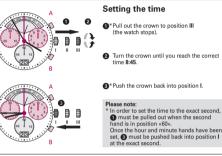
RONDA mastertech – Movement Cal. 8040.N & 8040.B **User's Manual English**

You have decided to buy a watch, which was assembled by a watchmaker using a Ronda movement. Please note that no watches are produced or distributed under the Ronda brand.

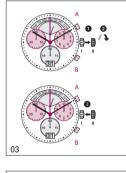
In case of repairs, guarantee claims and questions concerning the functioning of a watch, purchasers and consumers should contact their retailer or the watch manufacturer, for which the relevant information can be found in the sales or guarantee documentation provided with the watch.





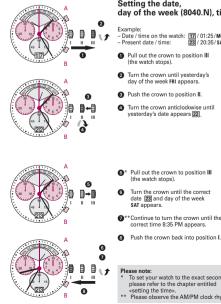


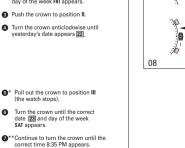
8 Push the crown back into position I.



R

02





CE

Battery type: 395 / SR927SW Accuracy: +20 / -10 seconds per month

Please note: * To set your watch to the exact second, please refer to the chapter entitled «setting the time». ** Please observe the AM/PM clock rhythm.

فعا date SAT app

04

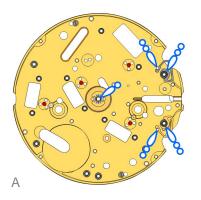
BA_8040N_8040B.indd 1

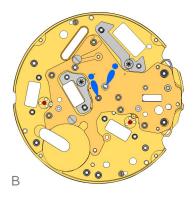
07/2017

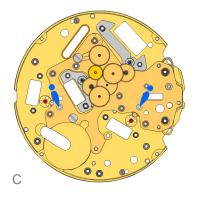
X









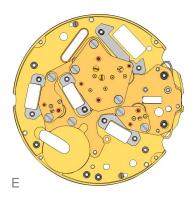


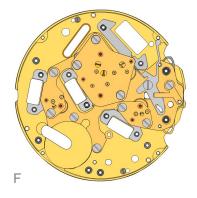
2000.700.CO 1.		Main plate
3406.038 2.	প্র	Pusher jumper A Put the yellow jumper between the two posts on the closer side.
3406.030 3.	<u>`</u> ?	Pusher jumper B Put the grey jumper between the two posts on the further side.
3305.364.CO 4.	S	Canon pinion (Aig.1)

2030.029 5.	S	Center bridge Center bride held by 2 screws 4000.250.
4000.250 6. T	8	Screw
3406.040 7.		Friction spring Friction spring held by 1 screw 4000.250.
4000.250 8. T	\otimes	Screw
3622.055 9.		Stator
3622.054 10.	J	Stator chrono Mark 1 on stator.
3715.119.RK 11.	۲	Rotor
3715.119.RK 12.	۲	Rotor

3147.073.CO 13.	Intermediate wheel
3147.074.CO 14.	Intermediate wheel chrono
3122.067.CO 15.	Third wheel
3136.180.CO 16.	Chronograph wheel
3136.179.CO 17.	Second wheel
3136.178.CO 18.	Small second wheel
3004.203.CO 19. ★ •	Reverse wheel





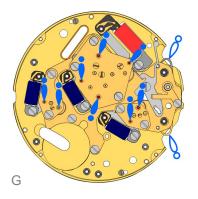


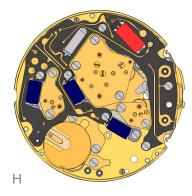
2020.188.G 20.	Train wheel bridge Train wheel bridge held by 2 screws 4000.250.
4000.250 21. T ⊗	Screw
3622.039 22.	Stator counter (cpt 6h and 9h and chrono)
3402.012.CO 23.	Minute counting wheel (30min)
3715.120.RK 24.	Rotor
3147.076.CO 25. ↔	Intermediate wheel (counter 30min)

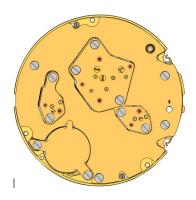
2020.191.G 26.	Counter train wheel Bridge (2h30) Train wheel bridge held by 2 screws 40000.250. Mark 2 .
4000.250 27. Ⅲ ◎	Screw
3622.039 28.	Stator counter
3402.013.CO 29.	Counting wheel (1/10 s)
3715.120.RK 🛞 30.	Rotor
3147.075.CO 31. ↔	Intermediate wheel (counter 1/10 s)
2020.190.G 32.	Counter train wheel bridge Train wheel bridge held by 2 screws 40000.250. Mark 1 .
4000.250 33. Ⅲ ◎	Screw
3016.029 34.	Stop lever Stop lever held by 1 screw 4000.249.

4000.249 35. ⊨	\square	Screw
2130.222 36.	4	Maintaining plate Maintaining plate held by 1 screw 4000.248.
4000.248 37. T	\otimes	Screw









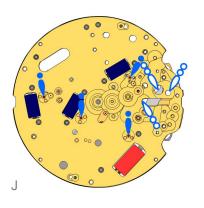
3621.072.RK	Coil centre
38.	Attention: Please hold the coil only on the grey coil core.
3621.055.RK	Coil counter
39.	Attention: Please hold the coil only on the grey coil core.
3621.055.RK	Coil counter
40.	Attention: Please hold the coil only on the grey coil core.
3621.055.RK	Coil counter
41.	Attention: Please hold the coil only on the grey coil core.
4000.250 ₪ 42. T	Screw

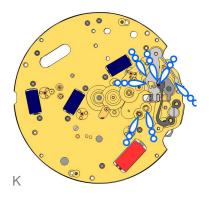
3603.089 43.	2	Battery insulator
3601.134 44.)	Pusher contact spring
3612.218 45.		Electronic module Electronic module held by 6 screws.
4000.248 46.	\bigcirc	Screw 4 screws 4000.248 for pressing the module on the coils.
4000.250 47. T	\bigcirc	Screw 2 screws 4000.248 for pressing the module on the 2 posts.
3601.132.G 48.		Lateral bridle Lateral bridle held by 1 screw 4000.250.
4000.250 49. T	8	Screw

3603.090 50.	Circuit insulator
2130.206.G.M01.8040N 51.	Electronic module cover Electronic module cover held by 4 screws 4000.250.
4000.250 52. ा ⊚	Screw
3600.010.HGF 53.	Battery 395
3601.133.G 54.	Bridle + Bridle + held by 2 screws 4000.250.
4000.250	Screw

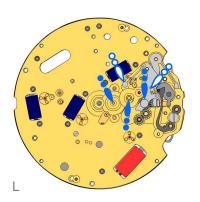


Main plate





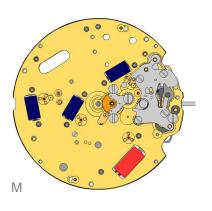
3017.054.CO 57.	•	Setting lever
3001.046 58.	B	Sliding pinion
3015.088 59.	Ş	Yoke (3 positions)
3905.063 60.	چ	Setting lever jumper Lever held by 1 screw 4000.282.
4000.282 61. [⊧]	⊕	Screw

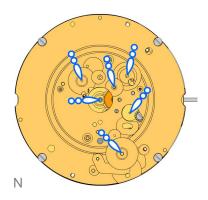


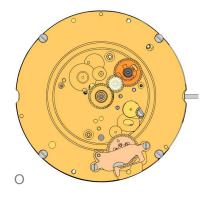
3004.200 62.	Ö	Corrector setting wheel
3004.200 63.	Ö	Corrector setting wheel
3015.087.CO 64.	B	Setting wheel yoke

2000.700.CO 56.







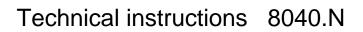


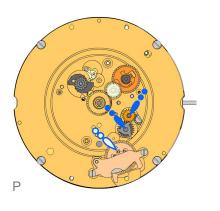
2130.208 65.	Ś	Setting mecanism cover Setting meca cover held by 4 screws 4000.305.
4000.305 66. ⊧	8	Screw
3000.203.CO 67.		Setting stem
3004.222 68.	Ô	Intermediate setting wheel
3007.079.CO 69.		Minute wheel
2130.209 70.	8-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	Minute train bridge Minute train bridge held by 3 screws 4000.278.
4000.278 71.	\square	Screw

2000.672 72.	.G	Main plate retro Minute plate retro held by 4 screws 4000.248.
4000.248 73.	T	Screw

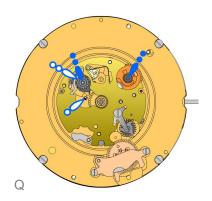
3004.220 74.		Tens indicator driving wheel The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.072 75.	>	Tens jumper
2130.187 76.		Tens jumper maintaining plate Tens jumper maintaining plate held by 2 screws 4000.279. Tensioning the spring arm.
4000.279 77. ⊨	⊕	Screw
3301.292.CO 78.	٢	Hour wheel
3004.208.CO 79.	۲	Date indicator driving wheel
3147.061 80.		Intermediate date wheel







3404.006.CO 81.	•	Day cam Place parts as shown on graphics.
3406.032 82.	\geq	Day rack
3406.031 83.	Jõ.	Day rack lever
3147.066.CO 84.		Date corrector setting wheel
3507.059.CO 85.		Date corrector wheel



2130.191 86.		Date indicator plate
3905.068 87.	R	Date corrector spring Date corrector spring held by 1 screw 4000.244.
4000.244 88. ⊨	Ð	Screw
3905.066 89.		Day rack lever spring Tensioning the spring arm.
3500.068 90.	\sim	Date jumper
3500.069 91.	ß	Day jumper Tensioning the spring arm.



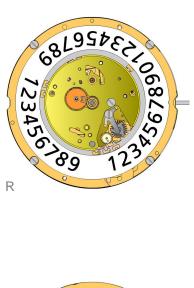
3504.234.AD.1.A 92.

Units indicator (standard) Nick of the indicator at 3 o`clock.

	°-89 123"	
2130.192 93.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw4000.250.
4000.250 94. ™	\bigcirc	Screw
3905.064 95.		Date jumper spring Insert the date jumper spring in the previous opening.
3907.047 96.	P	Day finger flange Stem pos III: Turn crown forwards until the date jumps. Stem pos II: Move the date until the nick is at 3 o'clock.
3004.211 97.	Ø	Day finger Position the end of the teeth against the day came pinion while turning softly in counterclockwise direction.
3004.212 98.	•	Days driving wheel Insert the tooth of the wheel in the flange gap, while turning softly in counterclockwise direction to ensure correct position of the day finger.
3401.086.FI 99.	۲	Day indicator pinion
3147.062 100.	South and a second seco	Tens intermediate wheel Arrow positioning radially outwards.
3504.231.AD. 101.	1.A	Tens indicator (standard) Nick of the indicator at 3 o`clock.

3315.003 102.	0	Friction spring
2130.193.G 103.		Date mecanism maintaining plate Date maca maintaining plate held by 3 screws 4000.320.
4000.320 104.	D	Screw
3506.077.G 105.	\bigcirc	Intermediate Dial support Polished version first.
3506.076.G 106.	\bigcirc	Dial support

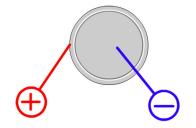
8200 107.	8	Moebius 8200
9014 108.	i	Moebius 9014
124 109.	8	Jismaa 124
9020 110.	i	Moebius 9020



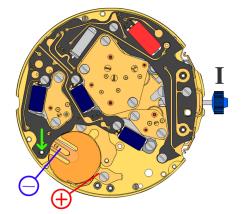




8040.N

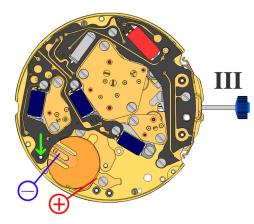


Battery	395
Voltage	1.55 V
-	



Setting stem in position I, calendar not in gear, 60 s measuring interval for rate and consumption:

Typical consumption Maximal consumption	1.48 μΑ 2.00 μΑ
Rate	-10s/M +20s/M.
Lower working voltage limit	1.20 V



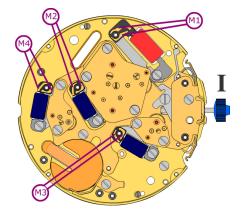
Setting stem in position III, 60 s measuring interval:

Typical consumption Maximal consumption 0.10 µA 0.30 µA

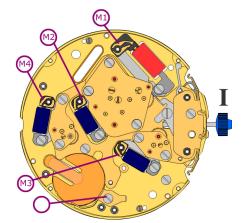
Hold down the electrical module to allow the electronic flow.



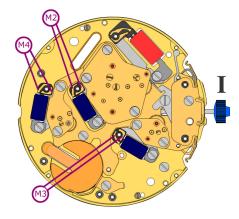
8040.N



Coil resistance M1	1.50 kΩ 1.70 kΩ
Coil resistance M2	1.68 kΩ 1.88 kΩ
Coil resistance M3	1.68 kΩ 1.88 kΩ
Coil resistance M4	1.68 kΩ 1.88 kΩ



Coil isolation M1/M2/M3/M4	∞ k Ω



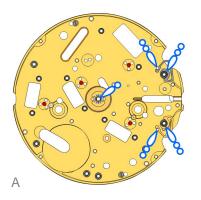
Signal generator (4.9 ms, 8 Hz):

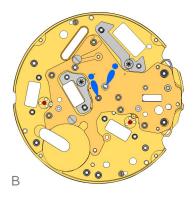
Lower working voltage limit M2/M3/M4

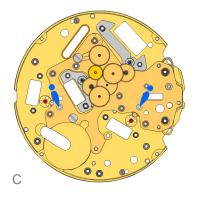
1.20 V









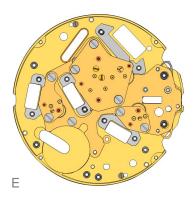


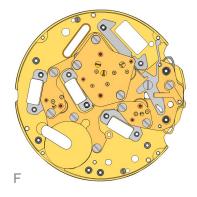
2000.700.CO 1.		Main plate
3406.038 2.	প্র	Pusher jumper A Put the yellow jumper between the two posts on the closer side#13;
3406.030 3.	<i>·</i> 2	Pusher jumper B Put the grey jumper between the two posts on the further side.
3305.364.CO 4.	đ	Canon pinion (Aig.1)

2030.029 5.	S	Center bridge Center bride held by 2 screws 4000.250.
4000.250 6. T	8	Screw
3406.040 7.		Friction spring Friction spring held by 1 screw 4000.250.
4000.250 8. T	\odot	Screw
3622.055 9.		Stator
3622.054 10.	9	Stator chrono Mark 1 on stator.
3715.119.RK 11.	۲	Rotor
3715.119.RK 12.	۲	Rotor

3147.073.CO 13.	Intermediate wheel
3147.074.CO 14.	Intermediate wheel chrono
3122.067.CO 15.	Third wheel
3136.180.CO 16.	Chronograph wheel
3136.179.CO 17.	Second wheel
3136.178.CO 18.	Small second wheel
3004.203.CO 19. ↔ ⊙	Reverse wheel





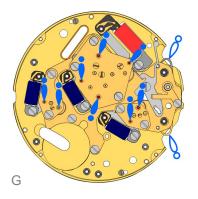


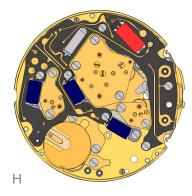
2020.188.G 20.	Train wheel bridge Train wheel bridge held by 2 screws 4000.250. Mark 2 .
4000.250 21. T ⊗	Screw
3622.039 22.	Stator counter (cpt 6h and 9h and chrono)
3402.012.CO 23.	Minute counting wheel
3715.120.RK 24. €	Rotor
3147.076.CO 25. ↔	Intermediate wheel (counter 30min)

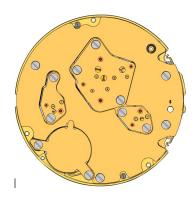
2020.191.G 26.	Counter train wheel Bridge Train wheel bridge held by 2 screws 40000.250. Mark 2 .
4000.250 27. Ü ◎	Screw
3622.039 28.	Stator counter
3402.013.CO 29 • •	Counting wheel (1/10 s)
3715.120.RK 30.	Rotor
3147.075.CO 31. ↔	Intermediate wheel (counter 1/10 s)
2020.190.G 32.	Counter train wheel bridge Train wheel bridge held by 2 screws 40000.250. Mark 2 .
4000.250 (S) 33. T	Screw
3016.029 34.	Stop lever Stop lever held by 1 screw 4000.249.
4000.249 35. ⊨ ®	Screw

4000.249 35. ⊧	D	Screw
2130.222 36.	4	Maintaining plate Maintaining plate held by 1 screw 4000.248.
4000.248 37. T	\otimes	Screw









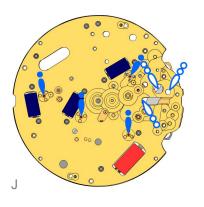
3621.072.RK	Coil centre
38.	Attention: Please hold the coil only on the grey coil core.
3621.055.RK	Coil counter
39.	Attention: Please hold the coil only on the grey coil core.
3621.055.RK	Coil counter
40.	Attention: Please hold the coil only on the grey coil core.
3621.055.RK	Coil counter
41.	Attention: Please hold the coil only on the grey coil core.
4000.250 42. T ⊚	Screw

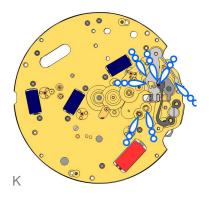
3603.089 43.	1	Battery insulator
3601.134 44.)	Pusher contact spring
3612.218 45.	$\langle \rangle$	Electronic module Electronic module held by 6 screws. (Electronic measurements may be realised now.)
4000.248 46.	\bigcirc	Screw 4 screws 4000.248 for pressing the module on the coils.
4000.250 47. Ⅲ	\bigcirc	Screw 2 screws 4000.248 for pressing the module on the 2 posts.
3601.132.G 48.		Lateral bridle Lateral bridle held by 1 screw 4000.250.
4000.250 49. T		Screw

3603.090 50.	Circuit insulator
2130.206.G.M01.8040N 51.	Electronic module cover Electronic module cover held by 4 screws 4000.250.
4000.250 52. [™] [©]	Screw
3600.010.HGF 53.	Battery 395
3601.133.G 54.	Bridle + Bridle + held by 2 screws 4000.250.
4000.250 55. T ⊚	Screw

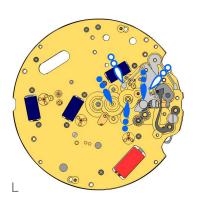


Main plate





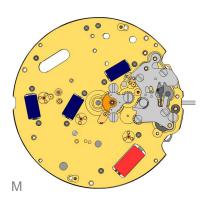
3017.054.CO 57.	•	Setting lever
3001.046 58.	Coo	Sliding pinion
3015.088 59.	Ş	Yoke (3 positions)
3905.063 60.	چ	Setting lever jumper Lever held by 1 screw 4000.282.
4000.282 61. [⊧]	Ð	Screw

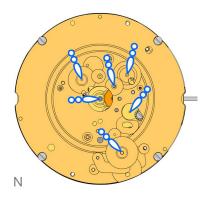


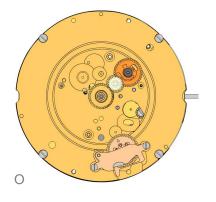
3004.200 62.	Ö	Corrector setting wheel
3004.200 63.	Ö	Corrector setting wheel
3015.087.CO 64.	B	Setting wheel yoke

2000.700.CO 56.









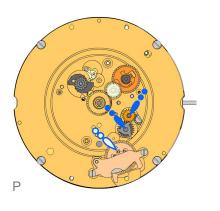
2130.208 65.		Setting mecanism cover Setting meca cover held by 4 screws 4000.305.
4000.305 66. ⊧	8	Screw
3000.203.CO 67.		Setting stem
3004.222 68.	Ô	Intermediate setting wheel
3007.079.CO 69.	•	Minute wheel
2130.209 70.	\$-	Minute train bridge Minute train bridge held by 3 screws 4000.278.
4000.278 71.	⊕	Screw

2000.672.G 72.		Main plate retro Minute plate retro held by 4 screws 4000.248.
4000.248 73. T	\bigcirc	Screw

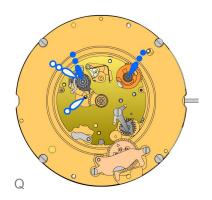
3004.220 74.		Tens indicator driving wheel The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.072 75.	>	Tens jumper
2130.187 76.	N	Tens jumper maintaining plate Tens jumper maintaining plate held by 2 screws 4000.279. Tensioning the spring arm.
4000.279 77. [⊯]	⊕	Screw
3301.292.CO 78.	٢	Hour wheel
3004.208.CO 79.	۲	Date indicator driving wheel
3147.061 80.		Intermediate date wheel





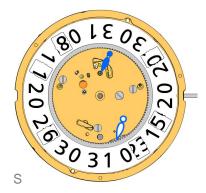


3404.006.CO 81.	-	Day cam Place parts as shown on graphics.
3406.032 82.		Day rack
3406.031 83.	Jo.	Day rack lever
3147.066.CO 84.	Ö	Date corrector setting wheel
3507.059.CO 85.		Date corrector wheel



2130.191 86.		Date indicator plate
3905.068 87.	R	Date corrector spring Date corrector spring held by 1 screw 4000.244.
4000.244 88. ⊨	Ð	Screw
3905.066 89.		Day rack lever spring Tensioning the spring arm.
3500.068 90.	\sim	Date jumper
3500.069 91.	ß	Day jumper Tensioning the spring arm.





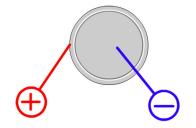
3504.234.AD.1.A, 195 92.	L N	Jnits indicator (standard) lick of the indicator at 3 o`clock.
2130.192 93.		Date indicator maintaining plate ate indicator maintaining plate held by 1 screw.
4000.250 94. T	5	Screw
3905.064 < 95.		Date jumper spring not the previous opening.
3004.244 96.	S S N	Day finger item pos III: Turn crown forwards until the date jumps. Stem pos II: fove the date until the nick is at 3 o'clock. Position the end of the peth against the day came pinion while turning softly in ounterclockwise direction.
3004.212 97.	D II	Days driving wheel sert the tooth of the wheel in the flange gap, while turning softly in ounterclockwise direction to ensure correct position of the day finger.
3401.086.Fl 98.	» [Day indicator pinion
3147.062 99.		ens intermediate wheel rrow positioning radially outwards.
3504.231.AD.1.A		Tens indicator (standard) lick of the indicator at 3 o`clock.

3315.003 101.	0	Friction spring
2130.193.G 102.		Date mecanism maintaining plate Date maca maintaining plate held by 3 screws 4000.320.
4000.320 103.	₽	Screw
3506.077.G 104.	\bigcirc	Intermediate Dial support Polished version first.
3506.076.G 105.	\bigcirc	Dial support

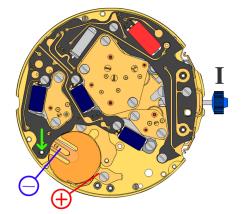
8200 106.	8	Moebius 8200
9014 107.	i	Moebius 9014
124 108.	ð	Jismaa 124
9020 109.	i	Moebius 9020



8040.N

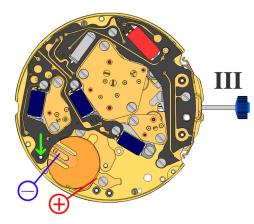


Battery	395
Voltage	1.55 V
-	



Setting stem in position I, calendar not in gear, 60 s measuring interval for rate and consumption:

Typical consumption Maximal consumption	1.48 μΑ 2.00 μΑ
Rate	-10s/M +20s/M.
Lower working voltage limit	1.20 V



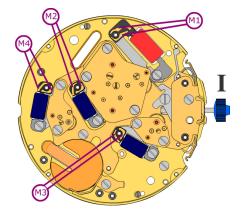
Setting stem in position III, 60 s measuring interval:

Typical consumption Maximal consumption 0.10 µA 0.30 µA

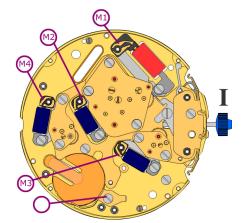
Hold down the electrical module to allow the electronic flow.



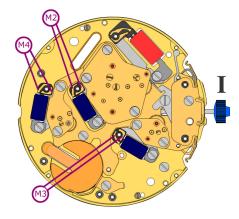
8040.N



Coil resistance M1	1.50 kΩ 1.70 kΩ
Coil resistance M2	1.68 kΩ 1.88 kΩ
Coil resistance M3	1.68 kΩ 1.88 kΩ
Coil resistance M4	1.68 kΩ 1.88 kΩ



Coil isolation M1/M2/M3/M4	∞ k Ω



Signal generator (4.9 ms, 8 Hz):

Lower working voltage limit M2/M3/M4

1.20 V