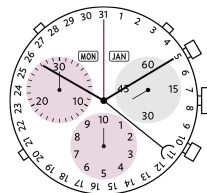
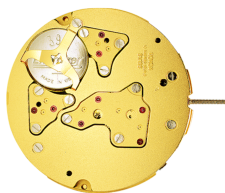
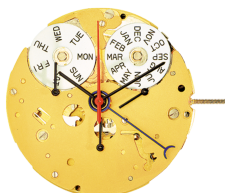


Caliber 5040.F – 12½"



Product Specifications

Analog quartz movement

Line startech

Caliber 5040.F

Size 12½"

Version Swiss Made 13 Jewels / gold plated

Standard battery life 54 months

Standard hand fitting height 3

Features

- Repairable metal watch movement
- Power saving mechanism with pulled out stem:
Reduction of consumption approximately 70%
- Very easy handling by two pushers

Functions

- 30 minute counter
- Center stop second (1/1 sec)
- 10 hour counter
- 1/10 seconds up to 30 minutes
- ADD and SPLIT functions
- Chronograph
- Day indicator
- Small second
- Month indicator
- Date by hand

Quartz Movements

Chronographs

RONDA startech

Caliber 5040.F – 12½"

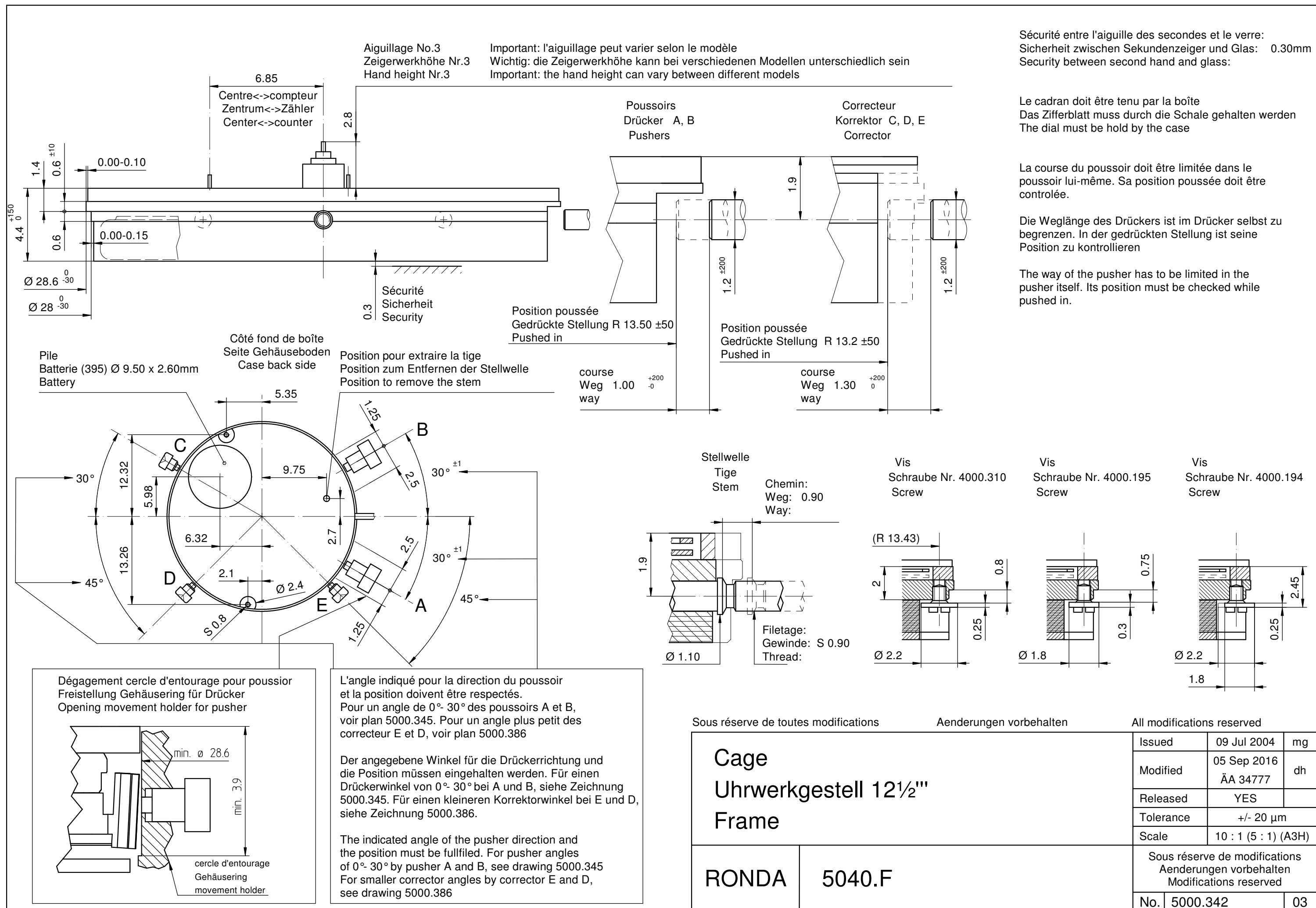
Technical Specifications

Diameter Total	28.60 mm
Case fitting	28.00 mm
Movement height	4.40 mm
Height over standard battery	4.40 mm
Movement rest	0.60 mm
Height over stem	1.90 mm
Length of stem travel	0.90 mm
Stem thread	0.90 mm
Useful torque second – typical	6 µNm
Useful torque minute – typical	300 µNm
Useful torque center stop second – typical	7 µNm
Operating temperature	0 - 50 °C
Instantaneous rate	-10/ +20 sec/month
Resistance to magnetic fields	18.8 Oe
Resistance against shock	NIHS 91-10



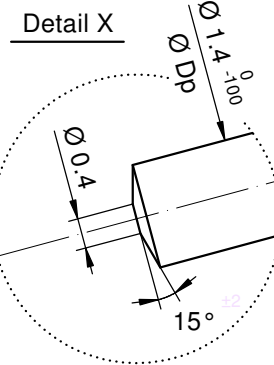
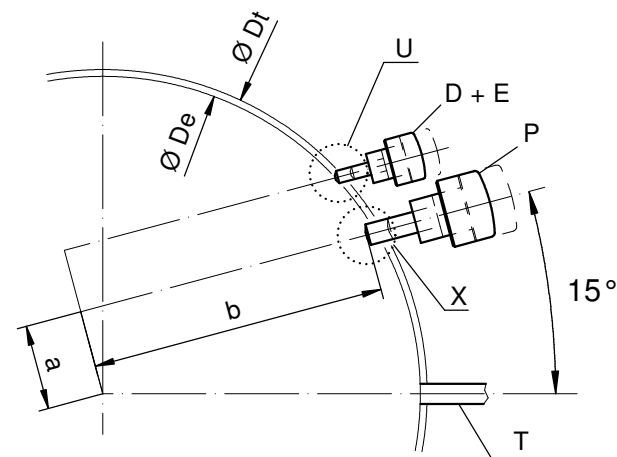
Battery Specifications

Standard battery	No. 395
Standard battery life	54 months
Battery voltage	1.5 V
Current consumption – typical	1.32 µA (Date Mechanism not in Gear)
Current consumption – maximum	1.65 µA (Date Mechanism not in Gear)

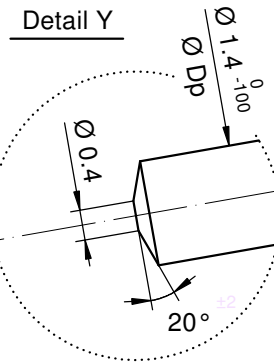
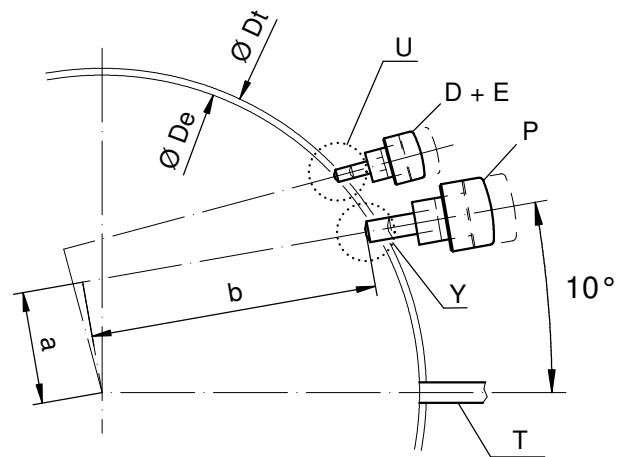


Detail zu Drücker A

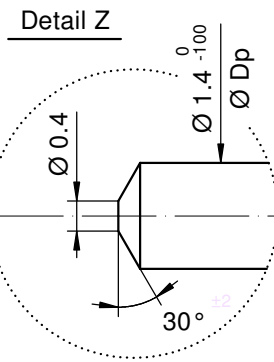
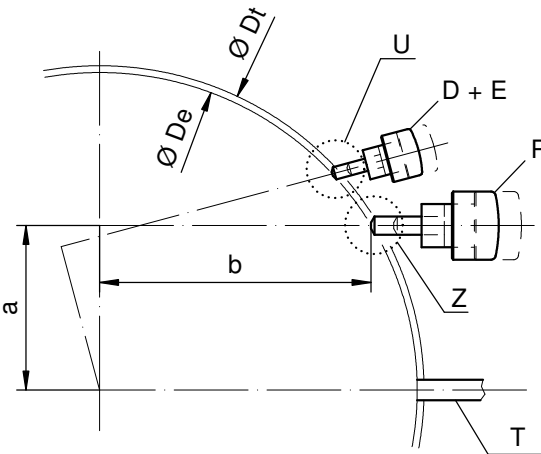
Angle poussoir A Winkel Drücker A Angle pusher A			15°
Ø Dp	a	b	
1.30	3.83	12.92	
1.40	3.86	12.91	



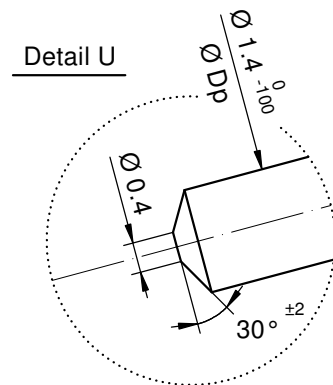
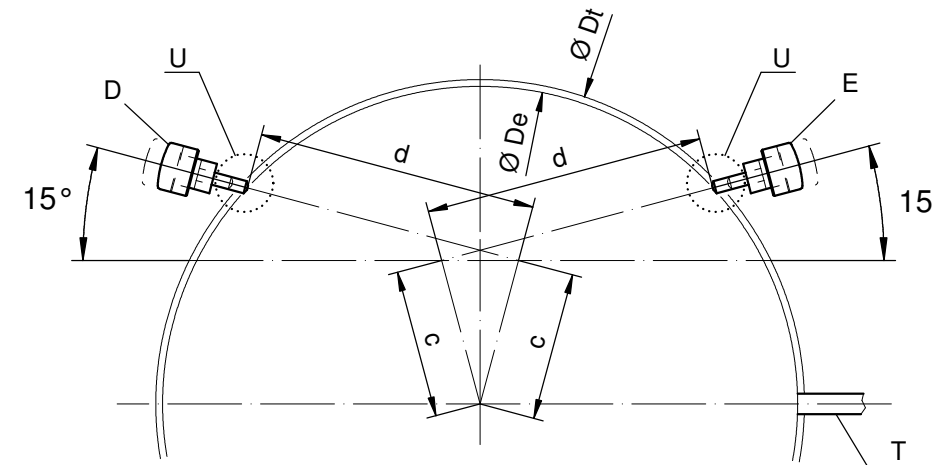
Angle poussoir A Winkel Drücker A Angle pusher A			10°
Ø Dp	a	b	
1.30	5.06	12.52	
1.40	5.10	12.50	



Angle poussoir A Winkel Drücker A Angle pusher A			0°
Ø Dp	a	b	
1.30	7.40	11.43	
1.40	7.45	11.40	



Detail zu Korrektor D + E



Angle correcteur D Winkel Korrektor D Angle crrector D		
Ø Dp	c	d
1.30	7.27	11.16
1.40	7.27	11.15

Angle correcteur E Winkel Korrektor E Angle crrector E		
Ø Dp	c	d
1.30	7.27	11.46
1.40	7.27	11.45

Ø De: diamètre d'encageage
Durchmesser der Gehäusepassung
fitting-diameter

Ø Dp: diamètre du poussoir
Drückerdurchmesser
pusher-diameter

Ø Dt: diamètre total
Totaldurchmesser
total-diameter

P: poussoir en position poussée
Drücker in gedrückter Stellung
pusher in pressed position

T: tige de mise à l'heure
Stellwelle
stem

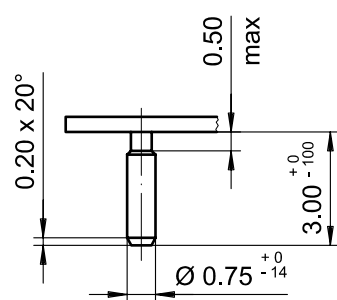
Angle des correcteurs D+E & poussoir A
Winkel der Korrektoren D+E & Drücker A
Angle of correctors D+E & pusher A

NW

Issued	23 Jun 2009	ps
Modified	17 Mai 2013 ÄA 13305	mc
Released	YES	
Tolerance	+/- 20 µm	
Scale	10 : 1 (5 : 1) (A3H)	
Sous réserve de modifications Äenderungen vorbehalten Modifications reserved		
No.	5000.386	01

RONDA

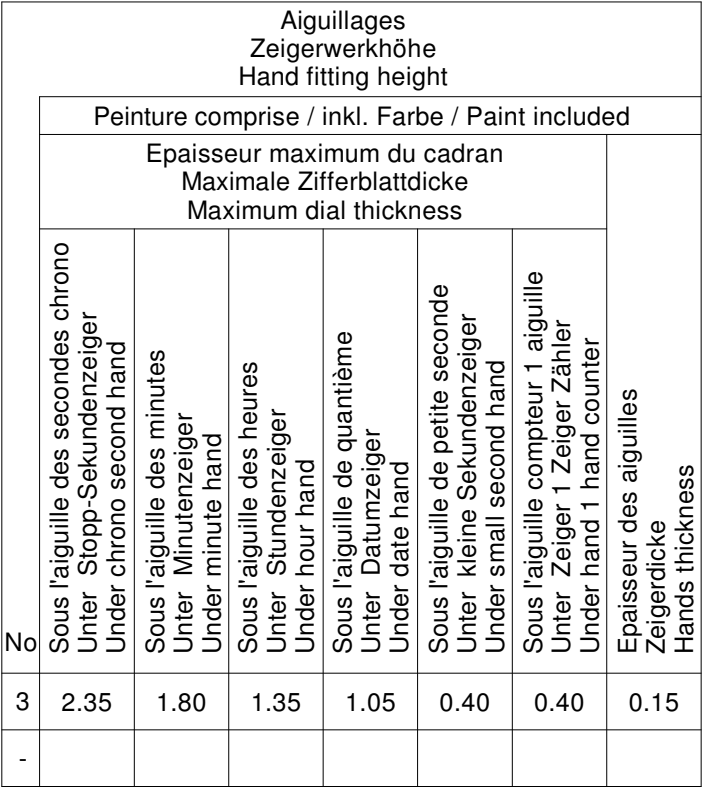
5040.F



Tige	Jour	Mois
Stellw.	Tag	Monat
Stem	Day	Month
3H	12H	12H
	<input type="text"/>	<input type="text"/>

12½"

Issued	13 Dez 2006	cw
Modified	08.Mai 2007 ÅÅ 1974	cm
Released	YES	
Tolerance	+/- 20 µm	
Scale	5 : 1 (A4V)	
Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
No.	5010.730	02



Aiguillages Zeigerwerkhöhen 12½" Hand fitting heights		Issued	09 Jul 2004	mg
		Modified	15 Okt 2014 ÄA 13275	dh
		Released	Yes	
		Tolerance	µm	
		Scale	20 : 1 (A3H)	
RONDA	5040.F	Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
		No.	3316.089	04

* In case of different values, please contact the customer service



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

No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.177.CO	20.00	10.23	24.23	10.15	0.90	1.10



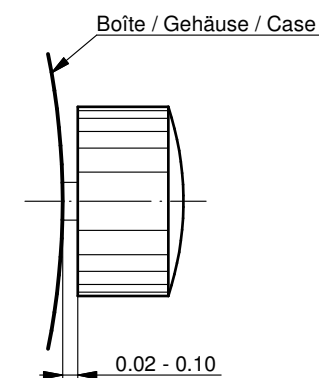
Couleur de la couronne Kronenfarbe Crown color	bleu foncé dunkelblau dark blue
Code	UN 5002

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

No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.177	20.00	10.23	24.23	10.15	0.90	1.10
3000.191	32.00	22.23	36.23	22.15	0.90	1.10



Couronne normale
Normale Krone
Normal crown

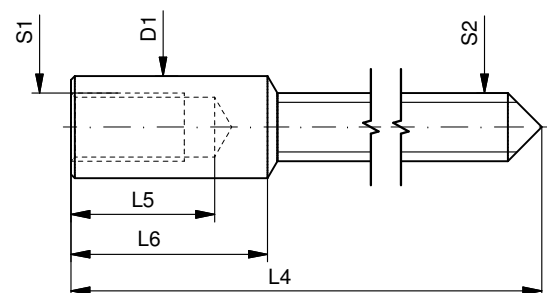


Couronne vissée
Geschraubte Krone
Screwed crown

Force ⇐ min. Kraft ⇐ min. Force ⇐ min.	10 N
Force ⇐ max. Kraft ⇐ max. Force ⇐ max.	15 N

Rallonge de tige / Stellwelle Verlängerung / Stem extension

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 (dimensions / forces)
Stellwelle (Dimensionen / Kräfte)
Stem (dimensions / forces)

RONDA

5010.B, 5020.B, 5021.D, 5030.D,
5040.B, 5040.D, 5040.E, 5040.F,
5050.B, 5050.C, 5051.C, 5130.B, 5130.D

Issued	05 Sep 2012	ds5222
Modified	17 Mär 2017 ÄA 34582	mg5224
Released	YES	
Tolerance	---	
Scale	10:1 (A3)	

Sous réserve de modifications
Änderungen vorbehalten
Modifications reserved

No.	5030.019	01
-----	----------	----



Movement holder
Removing setting stem
H5XXX.1T



Movement holder
Setting hands
H5XXF.1A

Fitting dial and hands

- Crown in position II
- Wind minute hand forwards, until a click is heard before weekday changes
- Press corrector C, until next month appears
- Remove working hand
- Fit dial
- Set date hand on 1
- Point the other hands towards 12 o'clock
- Wind crown forwards, until actual time is displayed
- Wind hands forwards to actual time
- Zero chronograph hand**
- Crown in position I
- Set date*

Date switching duration

Date/Month

~2hrs

Weekday

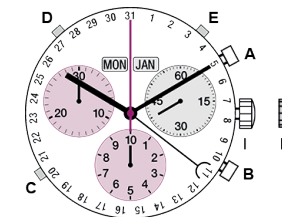
~2hrs

*Set date

- Corrector C → to correct date
- Corrector D → to correct weekday
- Corrector E → to correct month

**Zeroing the Chronograph hand

- Activate pushers A and B for 2 seconds at the same time
(Chrono seconds hand rotates once)
- Pusher A → to correct chrono seconds hand
- Pusher B → to jump to hour hand
- Pusher A → to correct hand's position
- Pusher B → to jump to minute hand
- Pusher A → to correct hand's position



General Instructions

Removing the setting stem can only be effected in Pos. I.

The use of supporting screws is essential when mounting the hands.

Permitted hand setting strengths:

Hr / min. hands: <40N

Other hands: <30N

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.

Description of the display and control buttons

Display elements

Minute hand

Second hand

Month

Day of week

Hour hand

Date

Second counter

Minute counter

$\frac{1}{5}$ s second counter (running for the first 30 sec.)

Hour counter after 30 minutes

Control buttons

Corrector D (day)

Corrector E (month)

Push button A

Crown

Push button B

Corrector C (date)

01

Setting the time

1* Pull out the crown to position II (the watch stops).

2 Turn the crown until you reach the correct time 8:45.

3* Push the crown back into position I.

Please note:

* In order to set the time to the exact second, 1 must be pulled out when the second hand is in position «60». Once the hour and minute hands have been set, 3 must be pushed back into position I at the exact second.

02

Setting the date (quick mode)

Example after a change of month:

– Date on watch: 31

– Current date: 1

1 Press the corrector C once to adjust the date 1 day forward.

Please note:

The date for the following day must be set during the date changing phase between approx 3:00 PM and 00:20 AM.

03

Setting the time, date, day of week and month

Example:

– On the watch: 10 (MON) JAN 1:25 AM

– Current: 20 (THU) DEC 8:30 PM

1* Pull out the crown to position II (the watch stops).

2** Turn crown until the current time is shown.

3* Push crown to position I (watch continues to run).

4 Press the corrector C to gradually advance the date hand.

5 Press the corrector D to gradually advance the day of week.

6 Press the corrector E to gradually advance the 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

04

Chronograph: Basic function

(Start / Stop / Reset)

Example:

1 Start: Press push-button A.

2 Stop: to stop the timing, press push-button A once more and read the chronograph counters: 4 min / 38 sek / $\frac{1}{5}$ s sec

3 Zero positioning: Press push-button B. (The chronograph hands will be reset to their zero positions.)

05

Chronograph: Accumulated timing

Example:

1 Start: (start timing)

2 Stop: (e.g. 15 min 5 sec following 1)

3 Restart: (timing is resumed)

4 Stop: (e.g. 5 min 12 sec following 3) = 20 min 17 sec (The accumulated measured time is shown)

5 Reset: The chronograph hands are returned to their zero positions.

Please note:

* Following 4, the accumulation of the timing can be continued by pressing push-button A (Restart / Stop, Restart / Stop, ...).

06

Chronograph: Intermediate or interval timing

Example:

1 Start: (start timing)

2 Display interval: e.g. 20 minutes 17 seconds (timing continues in the background)

3 Making up the measured time: (The chronograph hands are quickly advanced to the ongoing measured time.)

4 Stop: (Final time is displayed.)

5 Reset: The chronograph hands are returned to their zero position

Please note:

* Following 2, further intervals or intermediates can be displayed by pressing push-button B (display interval / make up measured time, ...).

07

Adjusting the chronograph hands to zero position

Example:

One or several chronograph hands are not in their correct zero positions and have to be adjusted (e.g. following a battery change).

1 Pull out the crown to position II (all chronograph hands are in their correct or incorrect zero position).

2 Keep push-buttons A and B depressed simultaneously for at least 2 seconds (the second counter hand rotates by 360° → corrective mode is activated).

Adjusting the second counter hand

Single step ➡ A 1 x short

Continuous ➡ A long

Adjusting the next hand B

Single step ➡ A 1 x short

Continuous ➡ A long

Adjusting the 1/5s second counter hand (position 6h)

Single step ➡ A 1 x short

Continuous ➡ A long

Adjusting the minute counter (position 9h)

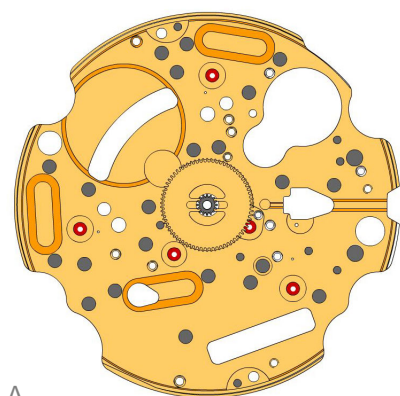
Single step ➡ A 1 x short

Continuous ➡ A long

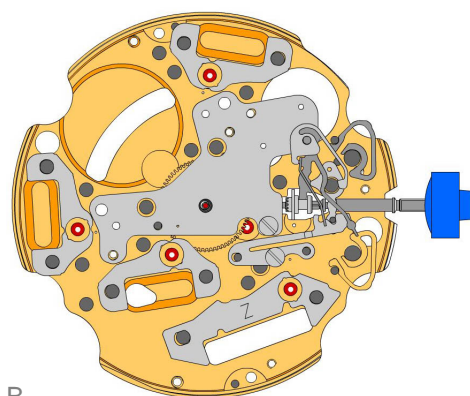
3 Returning the crown to position I

Termination of the chronograph hands adjustment (can be carried out at any time).










08

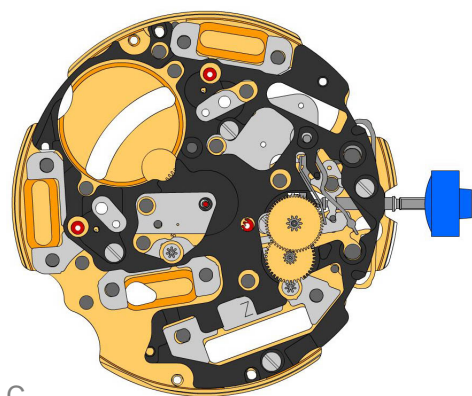


A



B

2000.576 1.		Main plate Parts 2000.576, 3015.072 and 3905.058 must be exchanged together.
3305.287.CO 2.		Cannon pinion with driver (Aig.3)
2030.017.CO 3.		Centre bridge Centre bridge held by 1 screw 4000.250. Parts 2030.017.CO and 3402.009.CO must be exchanged together.
4000.250 4.		Screw
3001.045 5.		Sliding pinion
3000.177.CO 6.		Setting stem
3017.049 7.		Setting lever
3905.053 8.		Setting lever jumper (2 positions) Setting lever jumper held by 1 screw 4000.250.
4000.250 9.		Screw
3015.072 10.		Yoke (2 positions) Parts 2000.576, 3015.072 and 3905.058 must be exchanged together.
3905.058 11.		Yoke spring Tensioning the spring arm. Parts 2000.576, 3015.072 and 3905.058 must be exchanged together.
3406.030 12.		Pusher jumper B Put the grey jumper between the two posts on the further side.
3406.038 13.		Pusher jumper A Put the yellow jumper between the two posts on the closer side.
3622.040 14.		Stator Mark [Z] on stator.
3622.039 15.		Stator (counter 6h, 9h, chrono)
3622.039 16.		Stator (counter 6h, 9h, chrono)
3622.039 17.		Stator (counter 6h, 9h, chrono)



C


3603.079
18.  Plastic bracket
Plastic bracket held by 4 screws 4000.250.

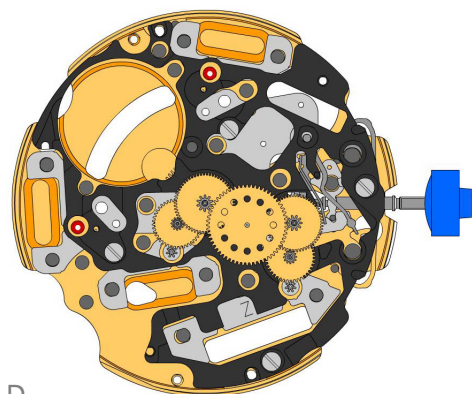
4000.250
19.  Screw

3715.094.RK
20.  Rotor


3715.094.RK
21.  Rotor


3147.046.CO
22.  Intermediate wheel

3136.142.CO
23.  Second wheel (long)

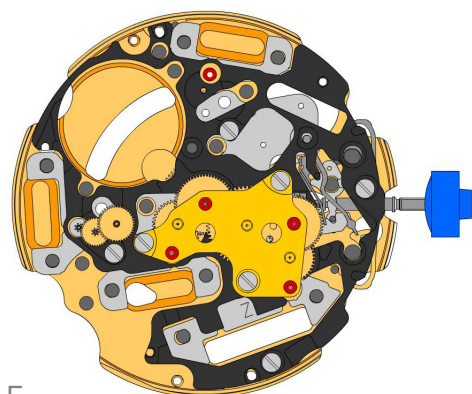


D


3147.047.CO
24.  Intermediate wheel (chrono)

3136.150.CO
25.  Chronograph wheel (Aig.3)

3122.056.CO
26.  Third wheel



E

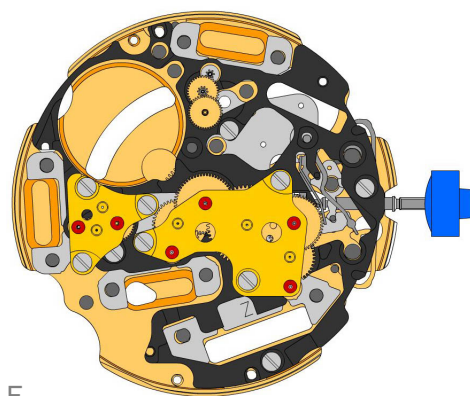
2020.148.G
27.  Train wheel bridge
Train wheel bridge held by 3 screws 4000.250.

4000.250
28.  Screw


3715.095.RK
29.  Rotor

3147.048.CO
30.  Intermediate wheel (counter)

3402.006.CO
31.  Minute counting wheel





F

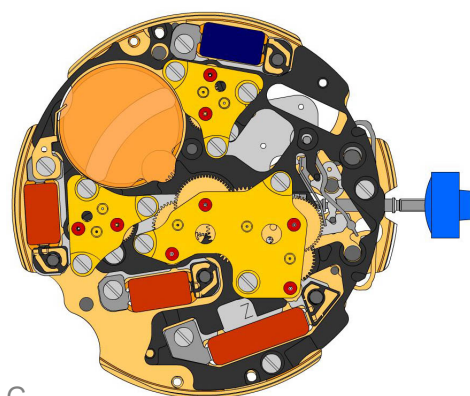
2020.149.G
32.  Counter train wheel bridge
Counter train wheel bridge held by 3 screws 4000.250.

4000.250
33.  Screw


3715.095.RK
34.  Rotor

3147.053.CO
35.  Intermediate wheel (counter 1/10sec)


3402.009.CO
36.  Counting wheel 1/10 sec
Parts 2030.017.CO and 3402.009.CO must be exchanged together.





G


2020.149.G
37.  Counter train wheel bridge
Counter train wheel bridge held by 3 screws 4000.250.

4000.250
38.  Screw

3621.053.RK
39.  Coil
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

3621.054.RK
40.  Coil (counter 9h, chrono)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

3621.054.RK
41.  Coil (counter 9h, chrono)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

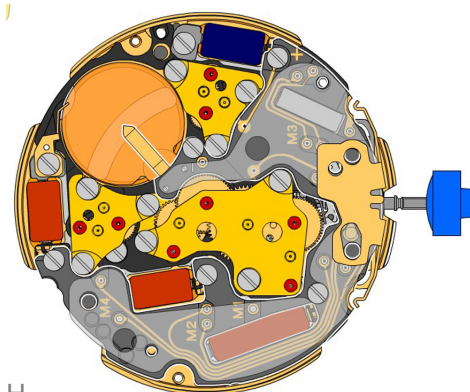
3621.055.RK
42.  Coil (counter 6h)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

4000.250
43.  Screw


3601.118
44.  Contact strip
Contact strip held by 1 screw 4000.250.

4000.250
45.  Screw

3603.034
46.  Battery insulator



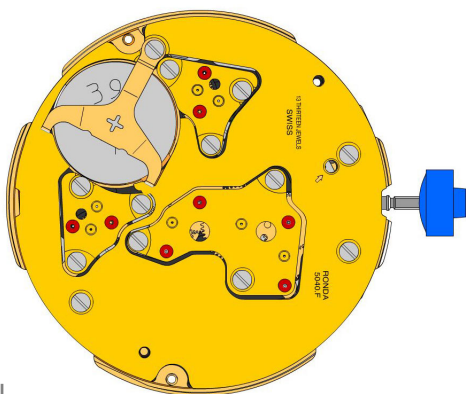
H

3612.144.5040
47.  Electronic module
Electronic module held by 5 screws 4000.248. Electronic measurements may be realised now.

4000.248
48.  Screw

3603.069
49.  Circuit insulator

3601.107.G
50.  Pusher contact spring



2130.137.G.M01.5040F
51.



Electronic module cover
Electronic module cover held by 3 screws 4000.250.

3600.010.HGF
52.



Battery 395

3601.109.G
53.

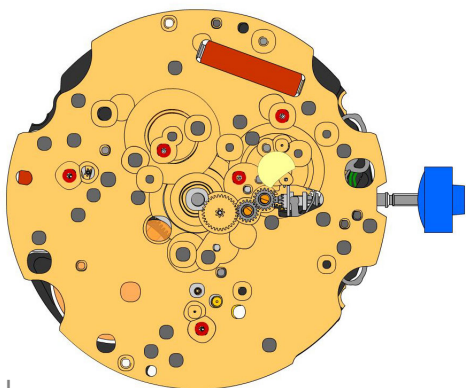


Bridge +
Bridge held by 1 screw 4000.250.





4000.250
54.

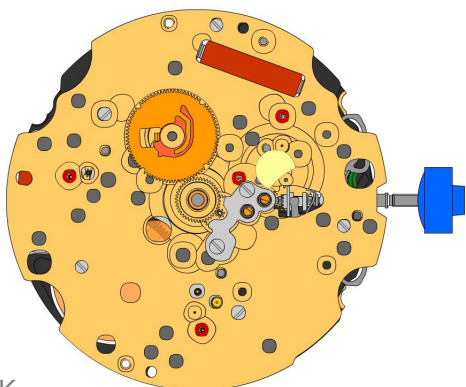


Screw







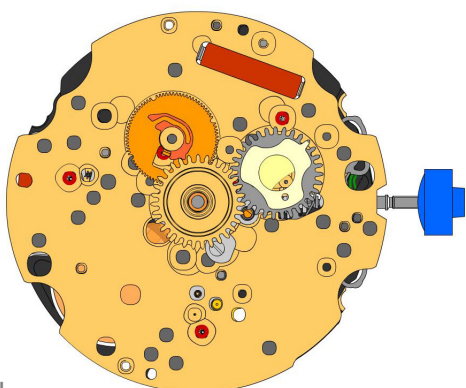
J

2000.576 55.		Main plate
3004.164 56.		Setting wheel
3004.164 57.		Setting wheel
3007.078.CO 58.		Minute wheel



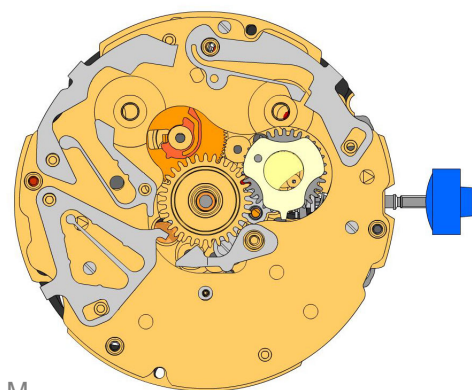
K

2130.177 59.		Minute train bridge Minute train bridge held by 4 screws 4000.319.
4000.319 60.		Screw
3301.247 61.		Hour wheel (Aig.3)
3004.171.CO 62.		Date indicator driving wheel

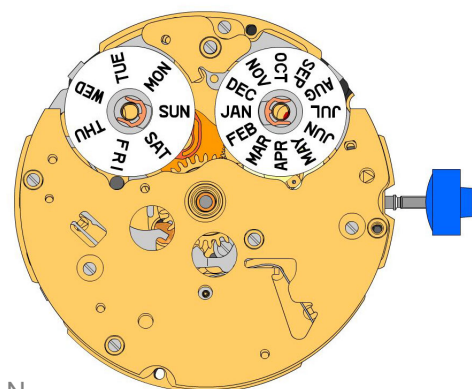


L

3004.173 63.		Month driving wheel
3004.174 64.		Month finger Ridges at the bottom side from the month meshed in both gaps of the month driving wheel.
3301.248 65.		Date indicator wheel



M



N

2130.155.CO
66.



Date platform
Date platform held by 3 screws 4000.282.

4000.282
67.



Screw

3507.054
68.



Month corrector

3507.055
69.



Day corrector

3507.056
70.



Date corrector

3500.053
71.



Day jumper

3500.065
72.



Date jumper

2130.157.G
73.



Combined maintaining plate
Combined maintaining plate held by 4 screws 4000.286.

4000.286
74.



Screw

2130.166.G
75.



Corrector maintaining plate
Corrector maintaining plate held by 1 screw 4000.286.

4000.286
76.



Screw

3905.059
77.



Date jumper spring
Insert the date jumper spring in the provided opening.

3508.153.AA.E.A
78.



Day indicator (standard)

3508.154.AE.E.A
79.



Month indicator (standard)

3909.028
80.







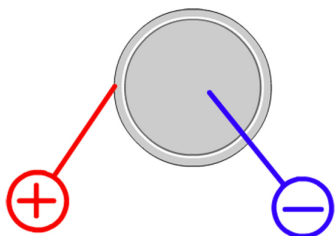
Pillar spring clip

3909.028
81.

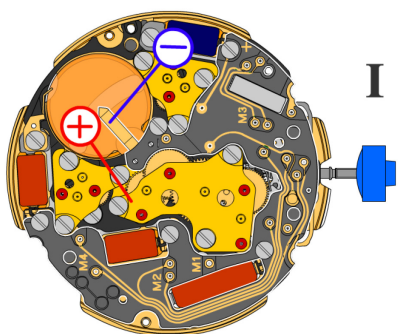


Pillar spring clip

8200 82.		Moebius 8200
9014 83.		Moebius 9014
124 84.		Jismaa 124
9020 85.		Moebius 9020

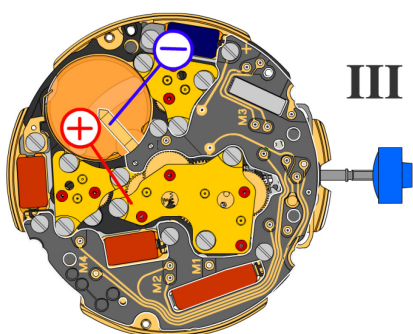


Battery	395
Voltage	1.55 V



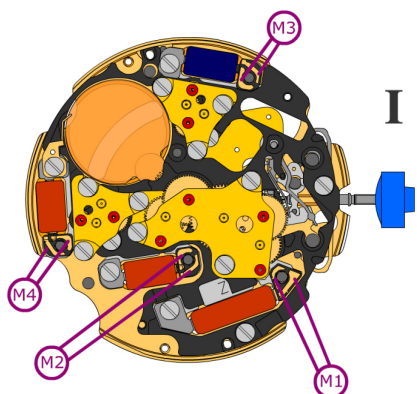
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*

Typical consumption	1.32 μA
Maximal consumption	1.65 μA
Rate	-10s/M. .. +20s/M.
Lower working voltage limit	1.20 V



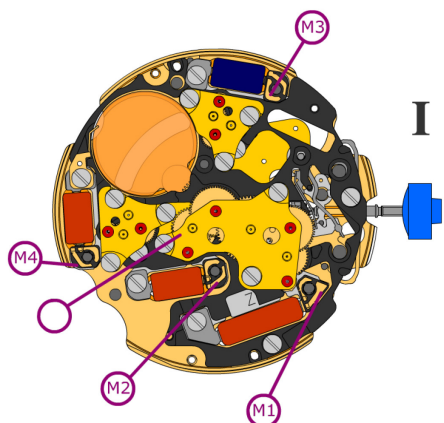
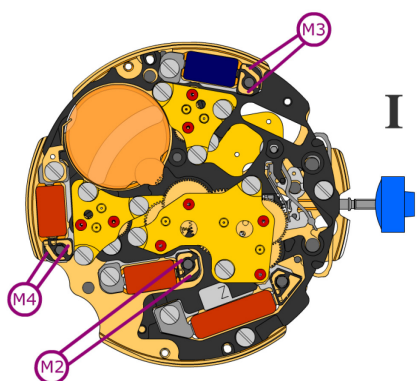
Setting stem in position III, 60 s measuring interval:

Typical consumption	0.10 μA
Maximal consumption	0.30 μA

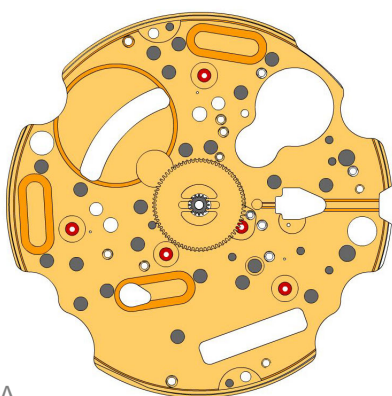

Coil resistance M1 **1.90 k Ω .. 2.10 k Ω**

Coil resistance M2 **1.68 k Ω .. 1.88 k Ω**

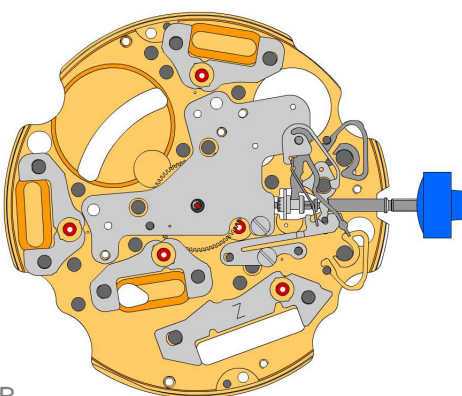
Coil resistance M3 **1.68 k Ω .. 1.88 k Ω**

Coil resistance M4 **1.68 k Ω .. 1.88 k Ω**

Coil isolation M1/M2/M3/M4 **∞ k Ω**

Signal generator (4.9 ms, 8 Hz):






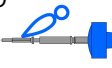











Lower working voltage limit
M2/M3/M4 **1.20 V**

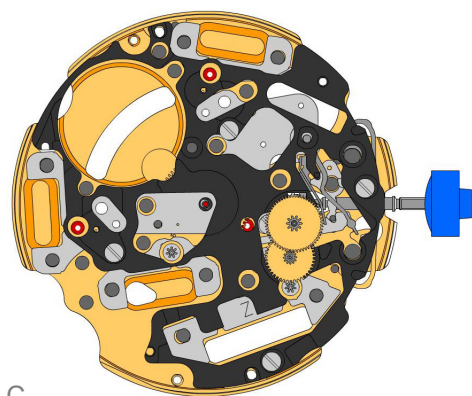


A



B

2000.576.G 1.		Main plate
3305.287.CO 2.		Cannon pinion with driver (Aig.3)
2030.017.CO 3.		Centre bridge Centre bridge held by 1 screw 4000.250. Parts 2030.017.CO and 3402.009.CO must be exchanged together.
4000.250 4.		Screw
3001.045 5.		Sliding pinion
3000.177.CO 6.		Setting stem
3017.049 7.		Setting lever
3905.053 8.		Setting lever jumper (2 positions) Setting lever jumper held by 1 screw 4000.250.
4000.250 9.		Screw
3015.080 10.		Yoke (2 positions)
3905.067 11.		Yoke spring
3406.030 12.		Pusher jumper B Put the grey jumper between the two posts on the further side.
3406.038 13.		Pusher jumper A Put the yellow jumper between the two posts on the closer side.
3622.040 14.		Stator Mark [Z] on stator.
3622.039 15.		Stator (counter 6h, 9h, chrono)
3622.039 16.		Stator (counter 6h, 9h, chrono)
3622.039 17.		Stator (counter 6h, 9h, chrono)



C


3603.079
18.  Plastic bracket
Plastic bracket held by 4 screws 4000.250.

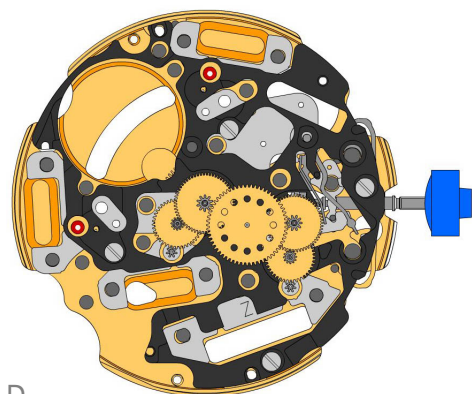
4000.250
19.  Screw

3715.094.RK
20.  Rotor


3715.094.RK
21.  Rotor


3147.046.CO
22.  Intermediate wheel

3136.142.CO
23.  Second wheel (long)

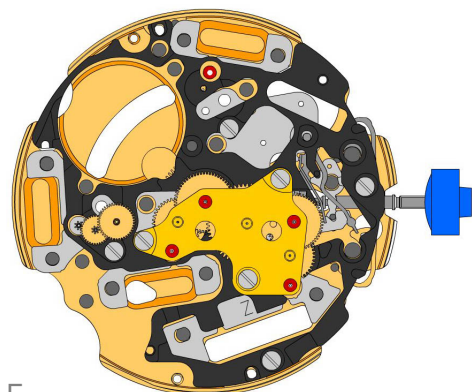


D


3147.047.CO
24.  Intermediate wheel (chrono)

3136.150.CO
25.  Chronograph wheel (Aig.3)

3122.056.CO
26.  Third wheel




E

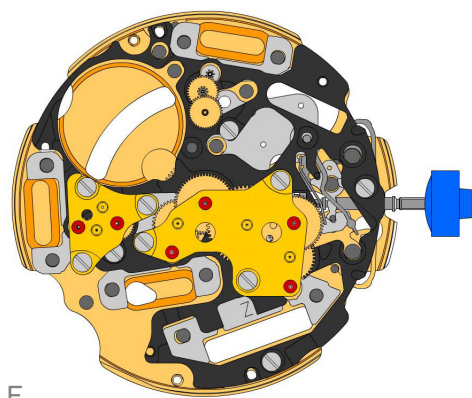
2020.148.G
27.  Train wheel bridge
Train wheel bridge held by 3 screws 4000.250.

4000.250
28.  Screw

3715.095.RK
29.  Rotor

3147.048.CO
30.  Intermediate wheel (counter)

3402.006.CO
31.  Minute counting wheel



F

2020.149.G
32.



Counter train wheel bridge
Counter train wheel bridge held by 3 screws 4000.250.

4000.250
33.



Screw

3715.095.RK
34.



Rotor

3147.053.CO
35.

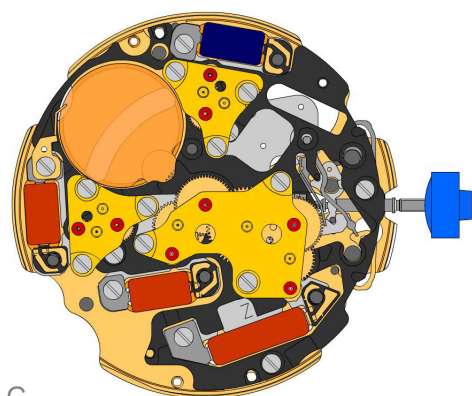


Intermediate wheel (counter 1/10sec)

3402.009.CO
36.



Counting wheel 1/10 sec
Parts 2030.017.CO and 3402.009.CO must be exchanged together.



G

2020.149.G
37.



Counter train wheel bridge
Counter train wheel bridge held by 3 screws 4000.250.

4000.250
38.



Screw

3621.053.RK
39.



Coil
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

3621.054.RK
40.



Coil (counter 9h, chrono)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

3621.054.RK
41.



Coil (counter 9h, chrono)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

3621.055.RK
42.



Coil (counter 6h)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

4000.250
43.



Screw

3601.118
44.



Contact strip
Contact strip held by 1 screw 4000.250.

4000.250
45.

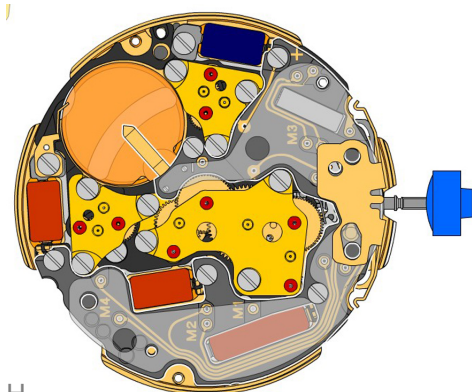


Screw

3603.034
46.



Battery insulator



H

3612.144.5040
47.



Electronic module
Electronic module held by 5 screws 4000.248. Electronic measurements may be realised now.

4000.248
48.



Screw

3603.069
49.

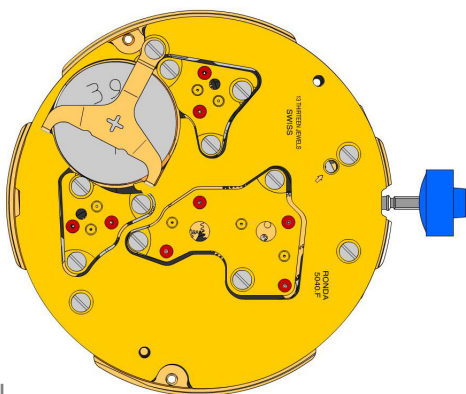


Circuit insulator

3601.107.G
50.



Pusher contact spring



2130.137.G.M01.5040F
51.



Electronic module cover
Electronic module cover held by 3 screws 4000.250.

3600.010.HGF
52.



Battery 395

3601.109.G
53.

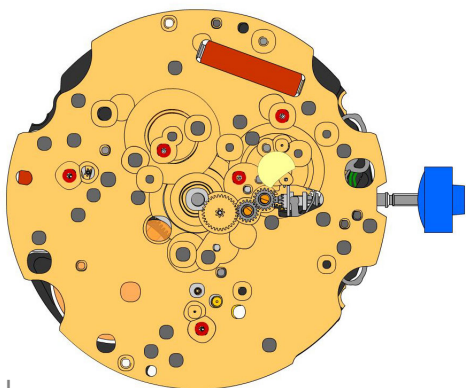


Bridge +
Bridge held by 1 screw 4000.250.





4000.250
54.

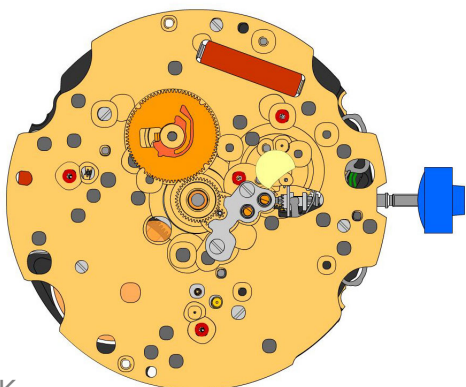


Screw







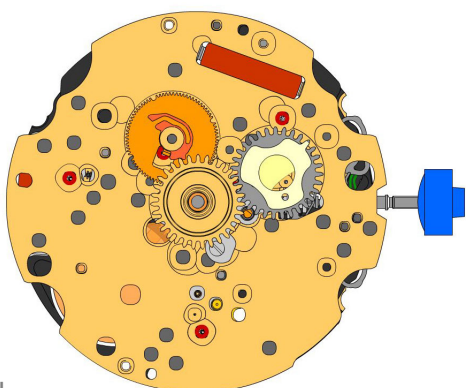
J

2000.576.G 55.		Main plate
3004.164 56.		Setting wheel
3004.164 57.		Setting wheel
3007.078.CO 58.		Minute wheel






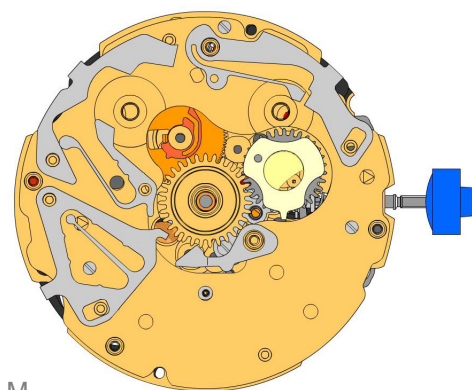
K

2130.177 59.		Minute train bridge Minute train bridge held by 4 screws 4000.319.
4000.319 60.		Screw
3301.247 61.		Hour wheel (Aig.3)
3004.171.CO 62.		Date indicator driving wheel

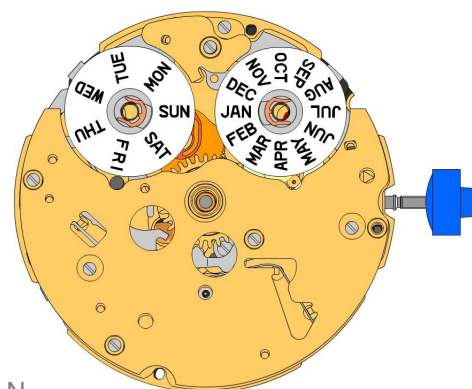


L

3004.173 63.		Month driving wheel
3004.174 64.		Month finger Ridges at the bottom side from the month meshed in both gaps of the month driving wheel.
3301.248 65.		Date indicator wheel



M



N

2130.155.CO
66.



Date platform
Date platform held by 3 screws 4000.282.

4000.282
67.



Screw

3507.054
68.



Month corrector

3507.055
69.



Day corrector

3507.056
70.



Date corrector

3500.053
71.



Day jumper

3500.065
72.



Date jumper

2130.157.G
73.



Combined maintaining plate
Combined maintaining plate held by 4 screws 4000.286.

4000.286
74.



Screw

2130.166.G
75.



Corrector maintaining plate
Corrector maintaining plate held by 1 screw 4000.286.

4000.286
76.



Screw

3905.059
77.



Date jumper spring
Insert the date jumper spring in the provided opening.

3508.153.AA.E.A
78.



Day indicator (standard)

3508.154.AE.E.A
79.



Month indicator(standard)

3909.028
80.







Pillar spring clip

3909.028
81.

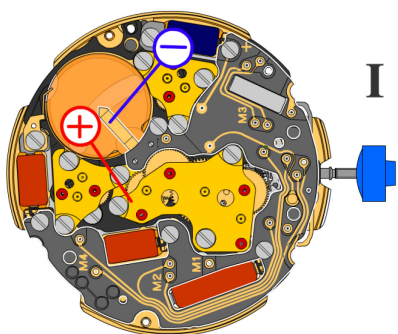


Pillar spring clip

8200 82.		Moebius 8200
9014 83.		Moebius 9014
124 84.		Jismaa 124
9020 85.		Moebius 9020

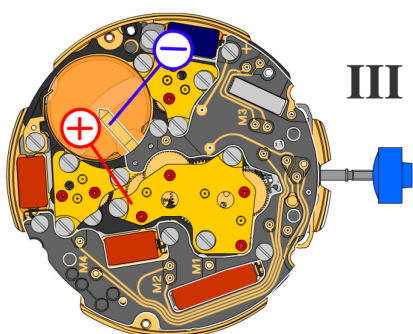


Battery	395
Voltage	1.55 V



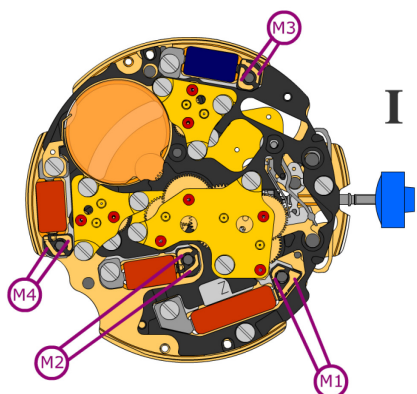
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*

Typical consumption	1.32 μA
Maximal consumption	1.65 μA
Rate	-10s/M. .. +20s/M.
Lower working voltage limit	1.20 V



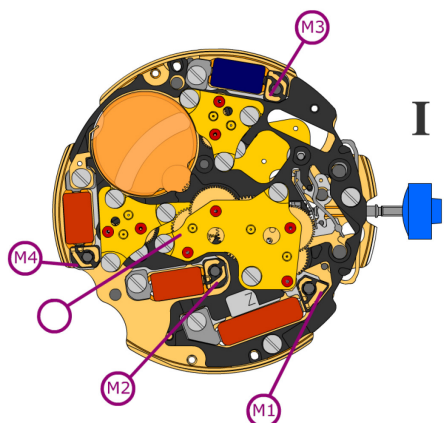
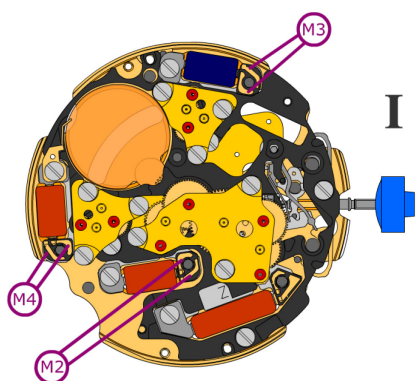
Setting stem in position III, 60 s measuring interval:

Typical consumption	0.10 μA
Maximal consumption	0.30 μA

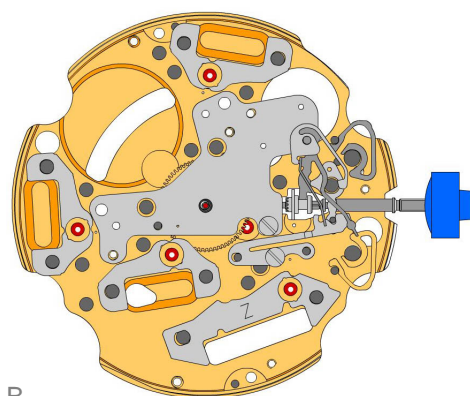
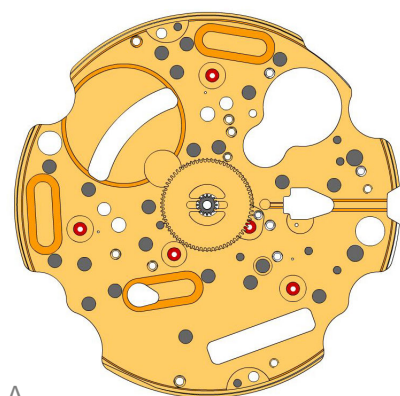

Coil resistance M1 **1.90 k Ω .. 2.10 k Ω**


















Coil resistance M2 **1.68 k Ω .. 1.88 k Ω**

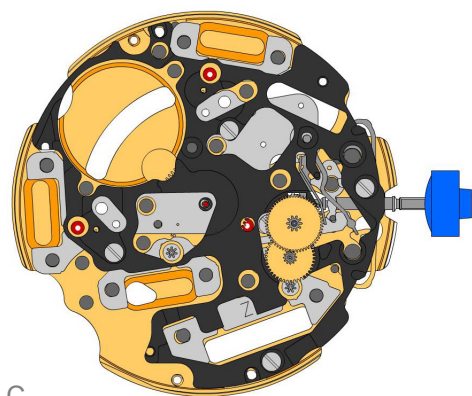
Coil resistance M3 **1.68 k Ω .. 1.88 k Ω**

Coil resistance M4 **1.68 k Ω .. 1.88 k Ω**

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**



2000.576.G 1.		Main plate
3305.287.CO 2.		Cannon pinion with driver (Aig.3)
2030.039.CO 3.		Centre bridge Centre bridge held by 1 screw 4000.250.
4000.250 4.		Screw
3001.045 5.		Sliding pinion
3000.177.CO 6.		Setting stem
3017.049 7.		Setting lever
3905.053 8.		Setting lever jumper (2 positions) Setting lever jumper held by 1 screw 4000.250.
4000.250 9.		Screw
3015.080 10.		Yoke (2 positions)
3905.067 11.		Yoke spring Tensioning the spring arm.
3406.030 12.		Pusher jumper B Put the grey jumper between the two posts on the further side.
3406.038 13.		Pusher jumper A Put the yellow jumper between the two posts on the closer side.
3622.040 14.		Stator Mark [Z] on stator.
3622.039 15.		Stator (counter 6h, 9h, chrono)
3622.039 16.		Stator (counter 6h, 9h, chrono)
3622.039 17.		Stator (counter 6h, 9h, chrono)



C


3603.079
18.  Plastic bracket
Plastic bracket held by 4 screws 4000.250.

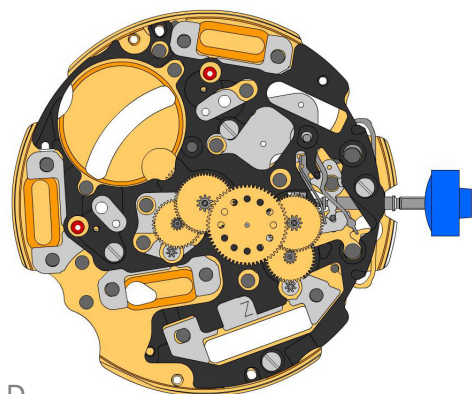
4000.250
19.  Screw

3715.094.RK
20.  Rotor


3715.094.RK
21.  Rotor


3147.046.CO
22.  Intermediate wheel

3136.142.CO
23.  Second wheel (long)

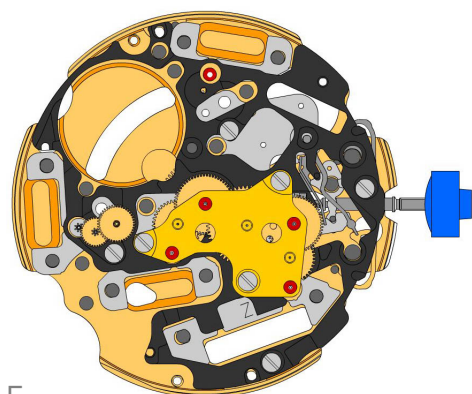


D


3147.047.CO
24.  Intermediate wheel (chrono)

3136.150.CO
25.  Chronograph wheel (Aig.3)

3122.056.CO
26.  Third wheel




E

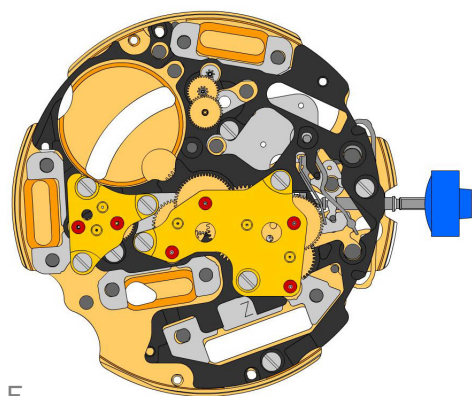
2020.148.G
27.  Train wheel bridge
Train wheel bridge held by 3 screws 4000.250.

4000.250
28.  Screw






3715.095.RK
29.  Rotor

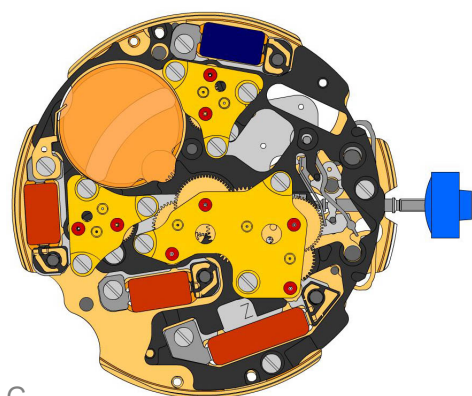
3147.048.CO
30.  Intermediate wheel (counter)

3402.006.CO
31.  Minute counting wheel









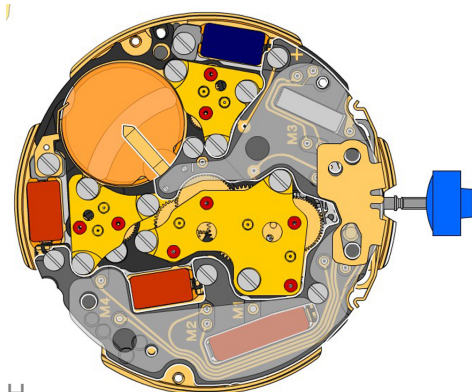
F

2020.149.G 32.		Counter train wheel bridge Counter train wheel bridge held by 3 screws 4000.250.
4000.250 33.		Screw
3715.095.RK 34.		Rotor
3147.053.CO 35.		Intermediate wheel (counter 1/10sec)
3402.016.CO 36.		Counting wheel 1/10 sec











G

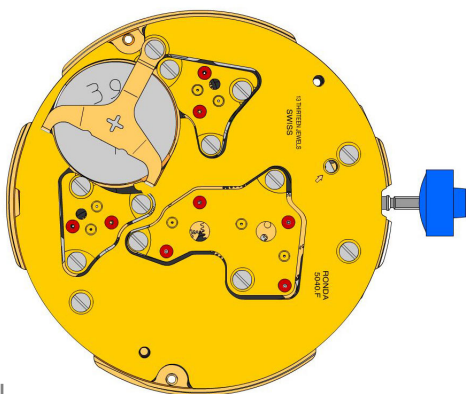
2020.149.G 37.		Counter train wheel bridge Counter train wheel bridge held by 3 screws 4000.250.
4000.250 38.		Screw
3621.053.RK 39.		Coil Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.054.RK 40.		Coil (counter 9h, chrono) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.054.RK 41.		Coil (counter 9h, chrono) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.055.RK 42.		Coil (counter 6h) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.



H

4000.250 43.		Screw
3601.118 44.		Contact strip Contact strip held by 1 screw 4000.250.
4000.250 45.		Screw
3603.034 46.		Battery insulator

3612.144.5040 47.		Electronic module Electronic module held by 5 screws 4000.248. Electronic measurements may be realised now.
4000.248 48.		Screw
3603.069 49.		Circuit insulator
3601.107.G 50.		Pusher contact spring



2130.137.G.M01.5040F
51.



Electronic module cover
Electronic module cover held by 3 screws 4000.250.

3600.010.HGF
52.



Battery 395

3601.109.G
53.

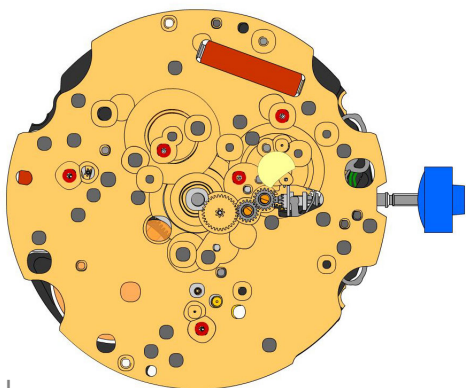


Bridge +
Bridge held by 1 screw 4000.250.





4000.250
54.

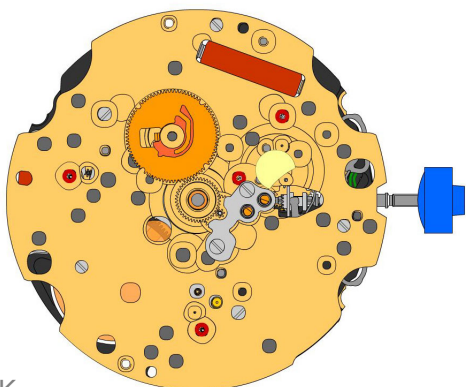


Screw







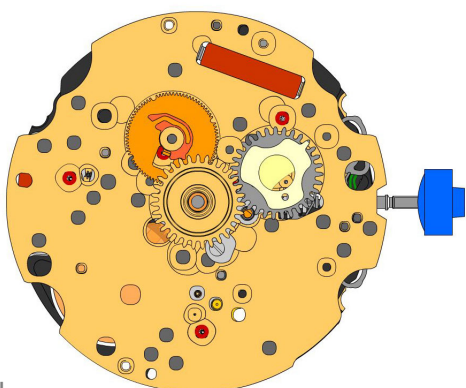
J

2000.576.G 55.		Main plate
3004.164 56.		Setting wheel
3004.164 57.		Setting wheel
3007.078.CO 58.		Minute wheel






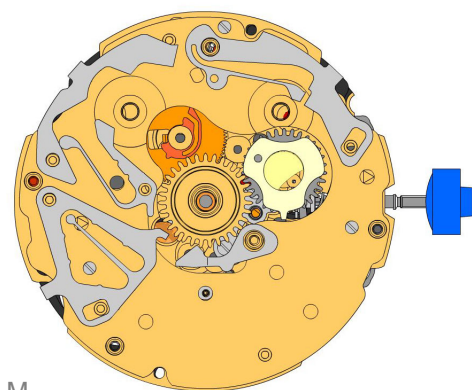
K

2130.177 59.		Minute train bridge Minute train bridge held by 4 screws 4000.319.
4000.319 60.		Screw
3301.247 61.		Hour wheel (Aig.3)
3004.171.CO 62.		Date indicator driving wheel

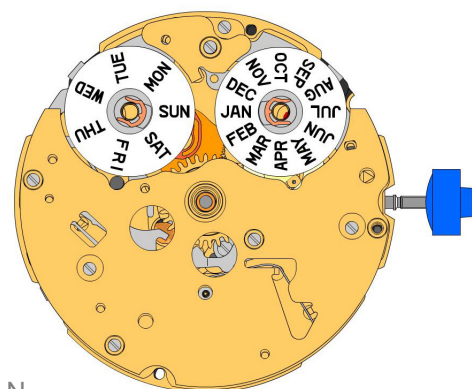


L

















3004.173 63.		Month driving wheel
3004.174 64.		Month finger Ridges at the bottom side from the month meshed in both gaps of the month driving wheel.
3301.248 65.		Date indicator wheel







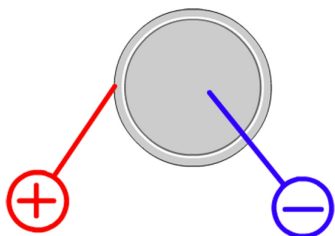
M



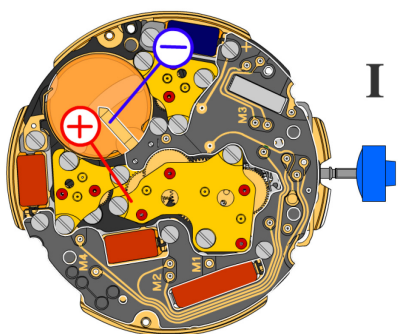
N

2130.155.CO 66.		Date platform Date platform held by 3 screws 4000.282.
4000.282 67.		Screw
3507.054 68.		Month corrector
3507.055 69.		Day corrector
3507.056 70.		Date corrector
3500.053 71.		Day jumper
3500.065 72.		Date jumper
2130.157.G 73.		Combined maintaining plate Combined maintaining plate held by 4 screws 4000.286.
4000.286 74.		Screw
2130.166.G 75.		Corrector maintaining plate Corrector maintaining plate held by 1 screw 4000.286.
4000.286 76.		Screw
3905.059 77.		Date jumper spring Insert the date jumper spring in the provided opening.
3508.153.AA.E.A 78.		Day indicator (standard)
3508.154.AE.E.A 79.		Month indicator (standard)
3909.028 80.		Pillar spring clip
3909.028 81.		Pillar spring clip

8200 82.		Moebius 8200
9014 83.		Moebius 9014
124 84.		Jismaa 124
9020 85.		Moebius 9020

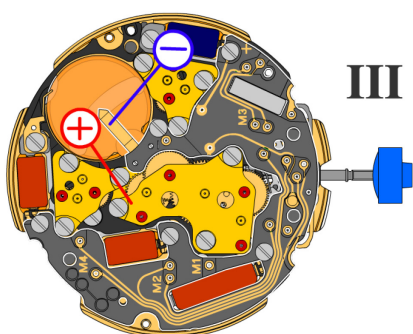


Battery	395
Voltage	1.55 V



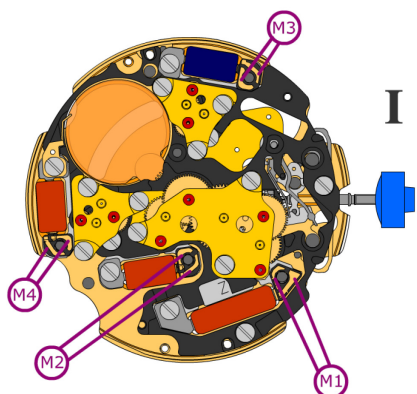
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*

Typical consumption	1.32 μA
Maximal consumption	1.65 μA
Rate	-10s/M. .. +20s/M.
Lower working voltage limit	1.20 V



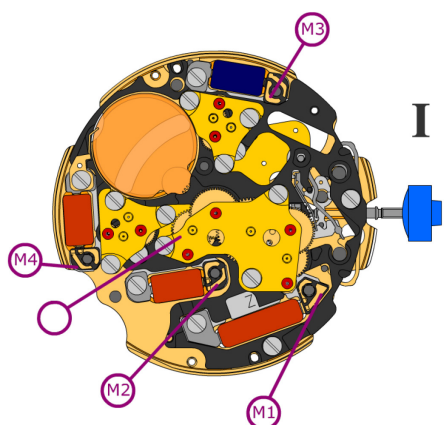
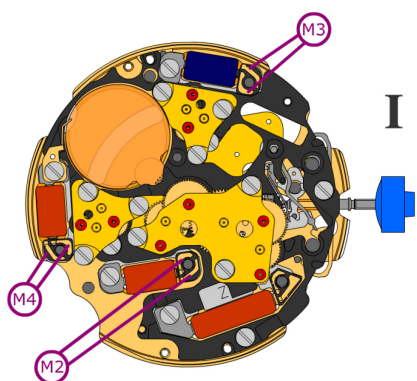
Setting stem in position III, 60 s measuring interval:

Typical consumption	0.10 μA
Maximal consumption	0.30 μA


Coil resistance M1 **1.90 k Ω .. 2.10 k Ω**

Coil resistance M2 **1.68 k Ω .. 1.88 k Ω**

Coil resistance M3 **1.68 k Ω .. 1.88 k Ω**

Coil resistance M4 **1.68 k Ω .. 1.88 k Ω**

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**