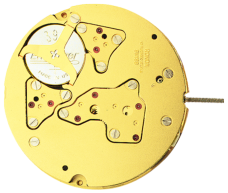
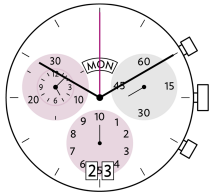
RONDA startech 5000

Chronographs, Big Date & Date, different calendar systems, Alarm

Caliber 5050.C – 12½'''





Product Specifications

Analog quartz movement

Line	startech
Caliber	5050.C
Size	12½'''
Version Swiss Made	13 Jewels / gold plated
Standard battery life	54 months
Hand fitting height	2

Features

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

Functions

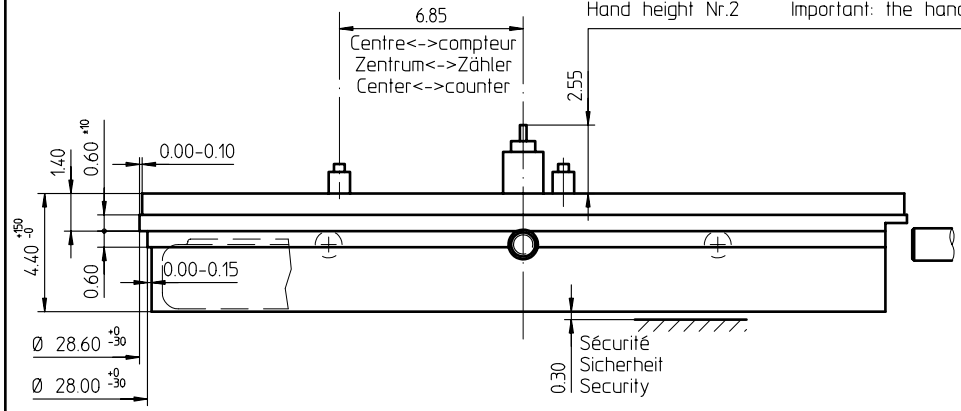
- Chronograph
- Center stop second (1/1 sec)
- 1/10 second
- 30 minute / 12 hour counter
- ADD and SPLIT functions
- 3 eyes
- Day indicator
- Big date
- Small second

Technical Specifications

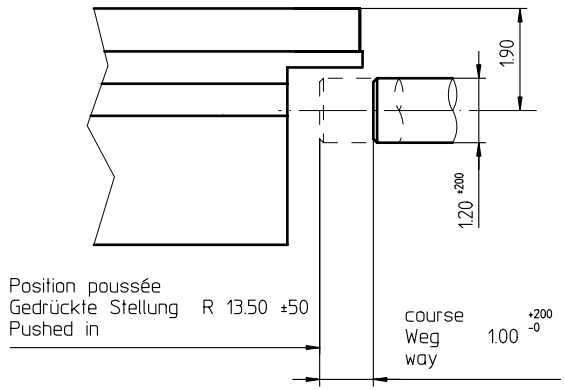
Diameter Total	28.60 mm
Case fitting	28.00 mm
Movement height	4.40 mm
Height over standard battery	4.40 mm
Movement rest	0.60 mm
Height over stem	1.90 mm
Length of stem travel	0.90 mm
Stem thread	0.90 mm
Standard battery	395
Standard battery life	54 months
Battery voltage	1.5 V
Current consumption – typical	1.32 µA (Date Mechanism not in Gear)
Current consumption – maximum	1.65 µA (Date Mechanism not in Gear)
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

Aiguillage No.2
Zeigerwerkhöhe Nr.2
Hand height Nr.2

Important: l'aiguillage peut varier selon le modèle
Wichtig: die Zeigerwerkhöhe kann bei verschiedenen Modellen unterschiedlich sein
Important: the hand height can vary between different models



Poussoirs
Drücker
Pushers



Sécurité entre l'aiguille des secondes et le verre:
Sicherheit zwischen Sekundenzeiger und Glas: 0.30mm
Security between second hand and glass:

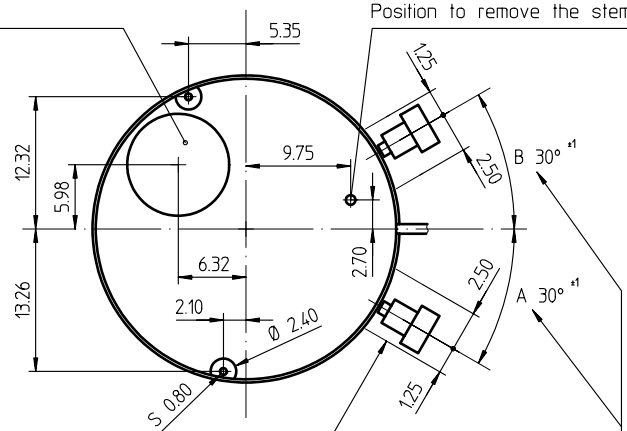
Le cadran doit être tenu par la boîte
Das Zifferblatt muss durch die Schale gehalten werden
The dial must be hold by the case

La course du poussoir doit être limitée dans le poussoir lui-même. Sa position poussée doit être controlée.
Die Weglänge des Drückers ist im Drücker selbst zu begrenzen. In der gedrückten Stellung ist seine Position zu kontrollieren
The way of the pusher has to be limited in the pusher itself. Its position must be checked while pushed in.

Côté fond de boîte
Seite Gehäuseboden
Case back side

Pile
Batterie (395) Ø 9.50 x 2.60mm
Battery

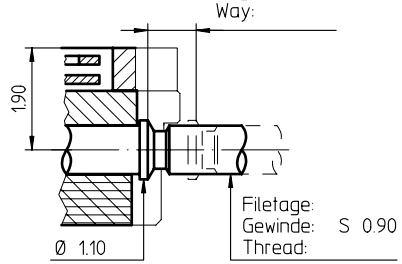
Position pour extraire la tige
Position zum Entfernen der Stellwelle
Position to remove the stem



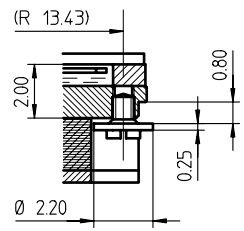
Dégagement cercle d'entourage
Freistellung Gehäusering
Opening movement holder

L'angle indiqué pour la direction du poussoir et la position doivent être respectés. Pour un angle de 0° des poussoirs A et B, voir plan 5000.345
Der angegebene Winkel für die Drückerrichtung und die Position müssen eingehalten werden. Für einen Drückerwinkel von 0° bei A und B, siehe Zeichnung 5000.345
The indicated angle of the pusher direction and the position must be fulfilled. For pusher angles of 0° (pusher A and B), see drawing 5000.345

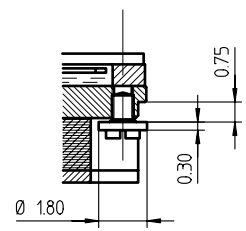
Stellwelle
Tige
Stem



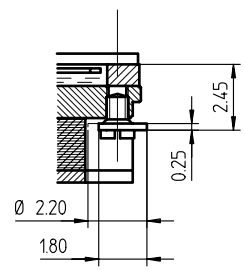
Vis
Schraube Nr. 4000.310
Screw



Vis
Schraube Nr. 4000.195
Screw



Vis
Schraube Nr. 4000.194
Screw



Cage
Uhrwerkgestell
Frame

12½'''

RONDA

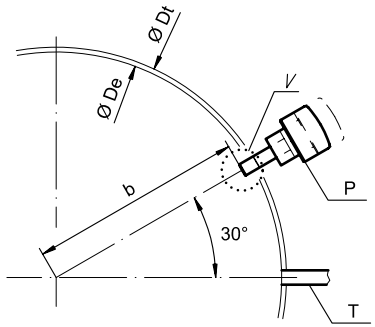
5050.B, 5050.C, 5051.C

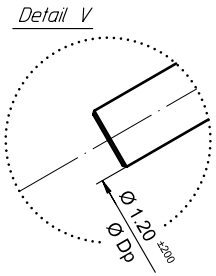
Issued	14 Nov 2003	mk
Modified	10.Dez 2007 ÄA 3696	bk
Released	YES	
Tolerance	+/- 20 µm	
Scale	10 : 1 (5 : 1) (A3H)	

Sous réserve de modifications
Aenderungen vorbehalten
Modifications reserved

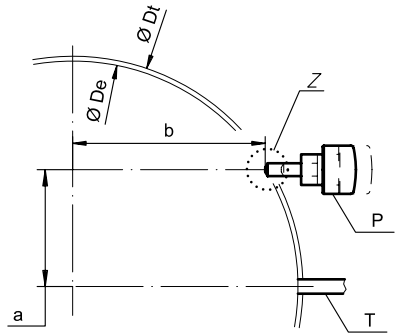
No. 5000.319 03

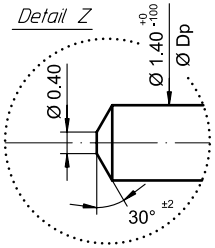
Angle / Winkel / Angle 30°	
Ø Dp	b
1.00	13.50
1.10	13.50
1.20	13.50
1.30	13.50
1.40	13.50



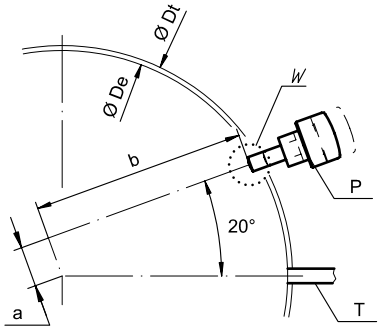


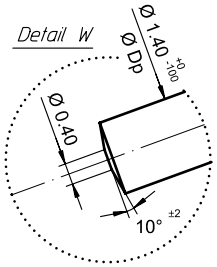
Angle / Winkel / Angle 0°		
Ø Dp	a	b
1.30	7.40	11.43
1.40	7.45	11.40



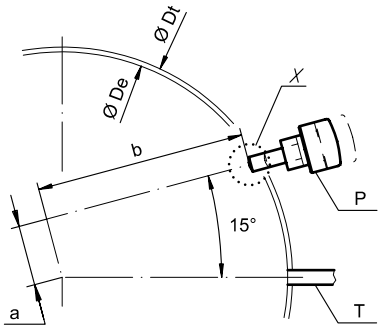


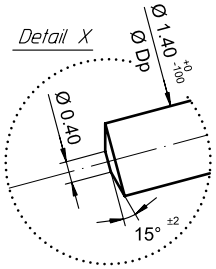
Angle / Winkel / Angle 20°		
Ø Dp	a	b
1.30	2.57	13.22
1.40	2.59	13.21



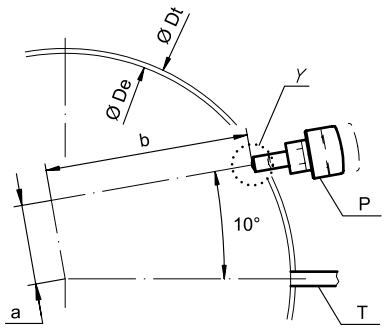


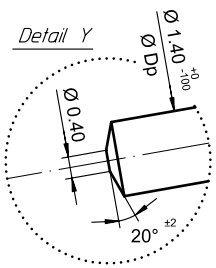
Angle / Winkel / Angle 15°		
Ø Dp	a	b
1.30	3.83	12.92
1.40	3.86	12.91





Angle / Winkel / Angle 10°		
Ø Dp	a	b
1.30	5.06	12.52
1.40	5.10	12.50





Ø De: diamètre d'encagegage
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

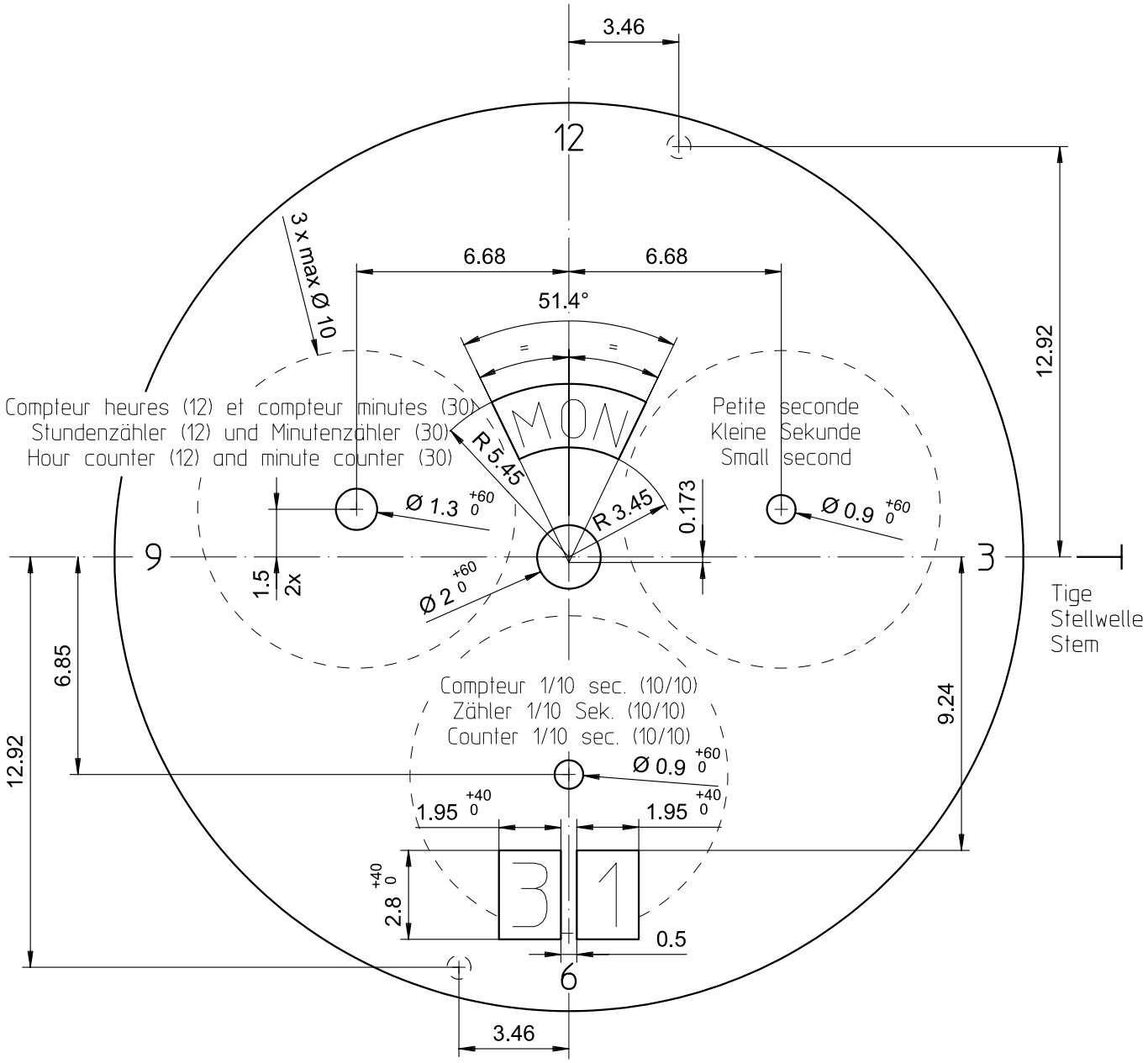
T: tige de mise à l'heure
Stellwelle
stem

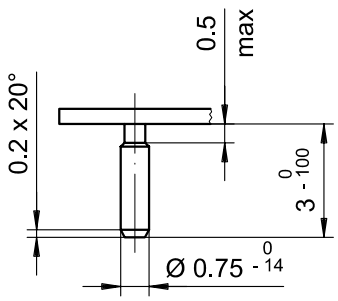
Angle des poussoirs A et B
Winkel der Drücker A und B
Angle of pusher A and B

RONDA | 4xxx.x, 5xxx.x

Issued	06 Sep 2004	mk
Modified	30.März 2005 ÄA 1784	mk
Released	YES	
Tolerance	+/- 20 µm	
Scale	10 : 1 (5 : 1) (A3H)	

No. 5000.345 01





Epaisseur du cadran selon hauteur de l'aiguillage
Zifferblattdicke gemäss Zeigerwerkhöhen
Dial thickness according to hand fitting heights

Tige	Date
Stellw.	Datum
Stem	Date
3H	6H

Cadran
Zifferblatt
Dial

12½‴

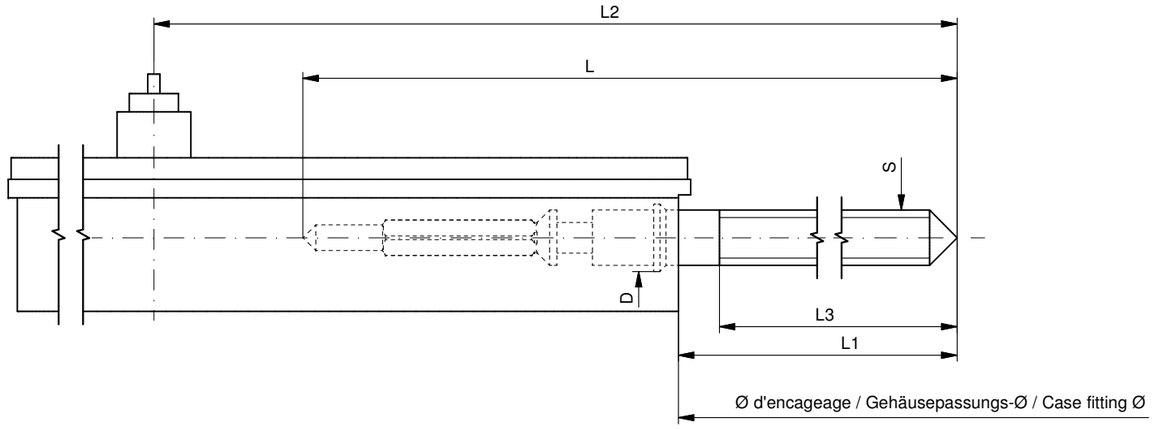
Issued	14 Nov 2003	mk
Modified	15 Juni 2009 ÄA 6896	dh
Released	YES	
Tolerance	+/- 20 µm	
Scale	5 : 1 (A4V)	

RONDA

5050.C

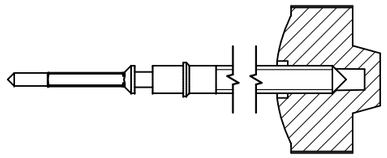
Sous réserve de modifications
Aenderungen vorbehalten
Modifications reserved

No. 5010.700 03



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

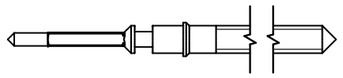
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.177.CO	20.00	10.23	24.23	10.15	0.90	1.10



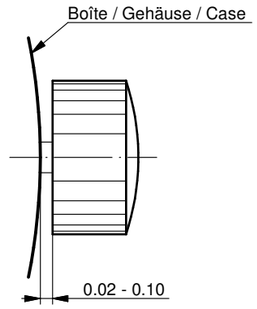
Couleur de la couronne Kronenfarbe Crown color	bleu foncé dunkelblau dark blue
Code	UN 5002

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



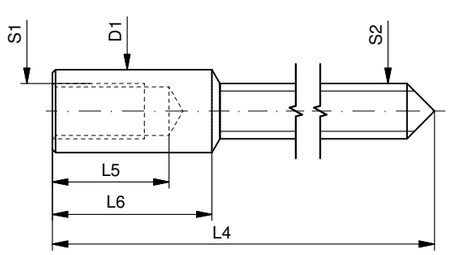
Couronne normale
Normale Krone
Normal crown



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

No.	5030.019	01

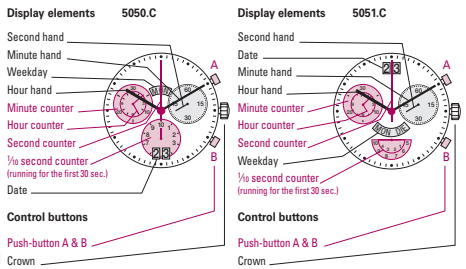
RONDA startech – Movement Cal. 5050.C & 5051.C

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.

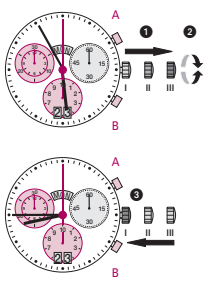
In case of repairs, guarantee claims and questions concerning the functioning of a watch, purchasers and consumers should contact their retailer or the watch manufacturer, for which the relevant information can be found in the sales or guarantee documentation provided with the watch.

Description of the display and control buttons



01

Setting the time



❶* Pull out the crown to position **III** (the watch stops).

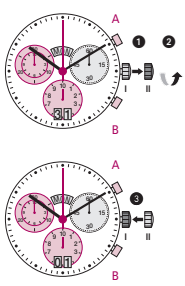
❷ Turn the crown until you reach the correct time **8:45**.

❸* Push the crown back into position **I**.

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

02

Setting the date (quick mode)



❶ Pull out the crown to position **II** (the watch continues to run).

❷ Turn the crown until the correct date 1 appears.

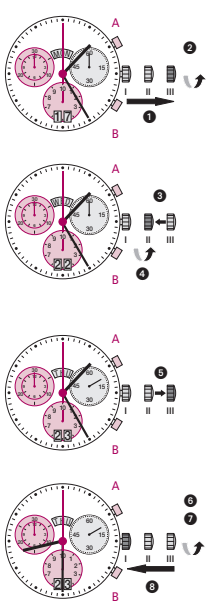
❸ Push the crown back into position **I**.

Please note:
During the date changing phase between approx. 9 PM and 12 PM; the date must be set to the date of the following day.

An extreme acceleration in setting the date with quick mode can induce a false date indication. The synchronization is re-established by setting the date from 01 till 31 (crown in position II).

03

Setting the date, weekday and time



Example:
– Date / time on the watch: 17 / 01:25 / TUE
– Present date / time: 23 / 20:30 / THU

❶ Pull out the crown to position **III** (the watch stops).

❷ Turn the crown until yesterday's weekday WED appears.

❸ Push the crown to position **II**.

❹ Turn the crown until yesterday's date appears 22.

❺* Pull out the crown to position **III** (the watch stops).

❻ Turn the crown until the correct date 23 and weekday THU appears.

❼** Continue to turn the crown until the correct time 8:30 PM appears.

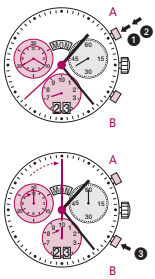
❽ Push the crown back into position **I**.

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)



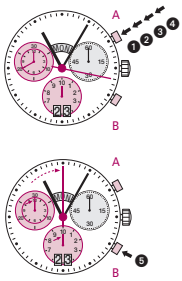
Example:
❶ **Start:** Press push-button **A**.

❷ **Stop:** to stop the timing, press push-button A once more and read the chronograph counters:
4h / 20 min / 38 sec / 7/10 sec

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

05

Chronograph: Accumulated timing



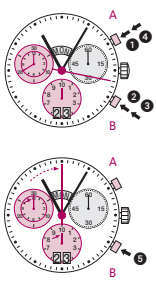
Example:
❶ **Start:** (start timing)
❷ **Stop:** (e.g. **15** min **5** sec following ❶)
❸ **Restart:** (timing is resumed)
❹* **Stop:** (e.g. **5** min **12** sec following ❸)
= **20 min 17 sec**
(The accumulated measured time is shown)

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

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

06

Chronograph: Intermediate or interval timing

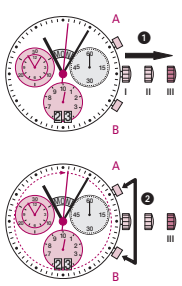


Example:
❶ **Start:** (start timing)
❷ **Display interval:**
e.g. **20 minutes 17 seconds** (timing continues in the background)
❸* **Making up the measured time:**
(the chronograph hands are quickly advanced to the ongoing measured time).
❹ **Stop:** (Final time is displayed)
❺ **Reset:**
The chronograph hands are returned to their zero position

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

07

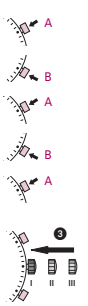
Adjusting the chronograph hands to zero position



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

❶ Pull out the crown to position **III** (all chronograph hands are in their correct or incorrect zero position).

❷ 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

Adjusting the 1/10 second counter hand (position 6h)
Single step A **1 x short**
Continuous A **long**

Adjusting the next hand B

Adjusting the minute counter hand and the hour counter hand
(mechanical coupled)
Single step A **1 x short**
Continuous A **long**

❸ Returning the crown to position **I**

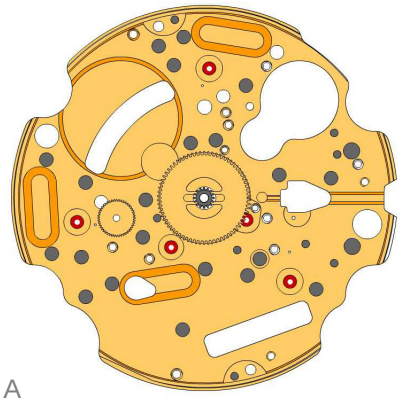
Termination of the chronograph hands adjustment (can be carried out at any time).

08

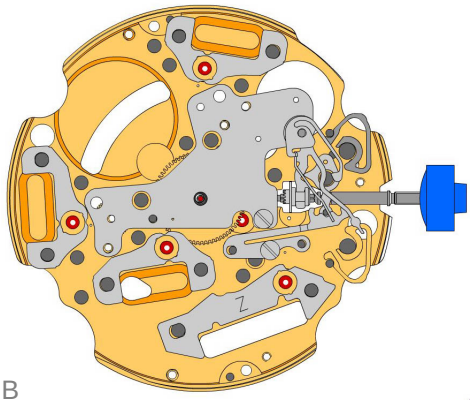
CE

07/2017

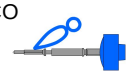
Battery type: 395 / SR927SW
Accuracy: +20 / -10 seconds per month

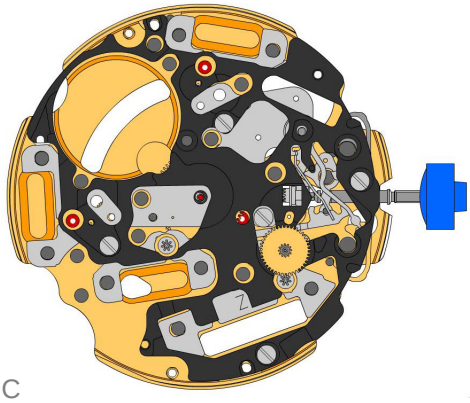


A



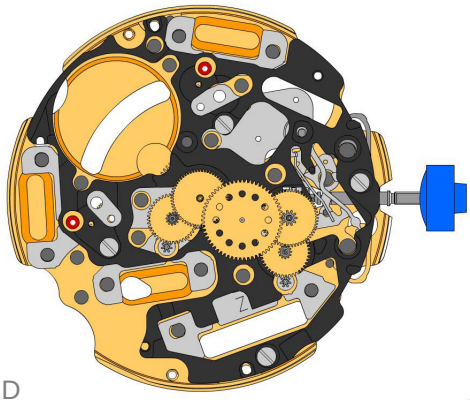
B

2000.574.G 1.		Main plate
3305.282.CO 2.		Cannon pinion with driver (Aig.2)
3301.244 3.		Hour wheel (counter 24h)
2030.032.CO 4.		Centre bridge Centre bridge held by 1 screw 4000.250. Parts 2030.017.CO, 3402.009.CO, 3004.227 and 3500.075 must be exchanged together.
4000.250 5.	 	Screw
3001.055.FI 6.		Sliding pinion
3000.177.CO 7.		Setting stem
3017.049 8.		Setting lever
3905.049 9.		Setting lever jumper (3 positions) Setting lever jumper held by 1 screw 4000.250.
3015.081 10.		Yoke (3 positions) Parts 3015.081 and 3905.067 must be exchanged together.
3905.067 11.		Yoke spring Tensioning the spring arm. Parts 3015.081 and 3905.067 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)
4000.250 18.	 	Screw



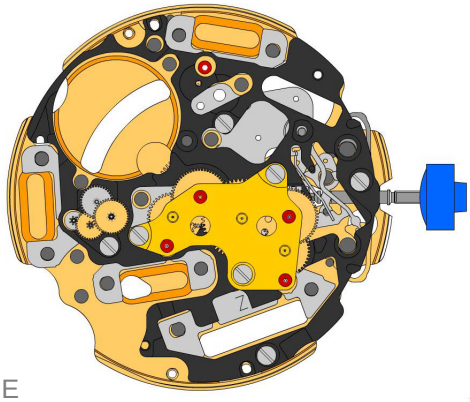
C

3603.079 19.		Plastic bracket Plastic bracket held by 4 screws 4000.250.
4000.250 20.		Screw
3715.094.RK 21.		Rotor
3715.094.RK 22.		Rotor
3147.046.CO 23.		Intermediate wheel



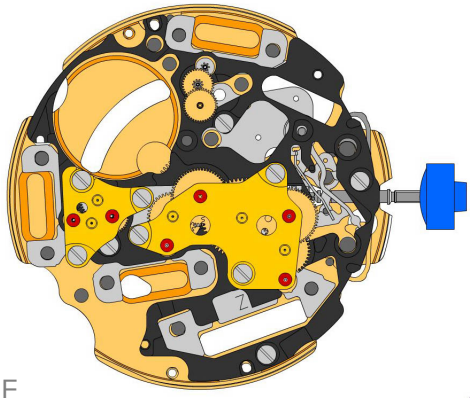
D

3136.142.CO 24.		Second wheel (long)
3147.047.CO 25.		Intermediate wheel (chrono)
3136.144.CO 26.		Chronograph wheel (Aig.2)
3122.056.CO 27.		Third wheel



E

2020.148.G 28.		Train wheel bridge Train wheel bridge held by 3 screws 4000.250.
4000.250 29.		Screw
3715.095.RK 30.		Rotor
3147.048.CO 31.		Intermediate wheel (counter)
3007.056.CO 32.		Minute wheel (counter 24h)
3402.008.CO 33.		Minute counting wheel



F

2020.149.G
34.

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

4000.250
35.

Screw

3715.095.RK
36.

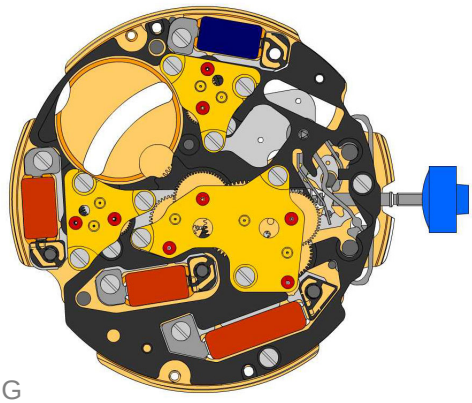
Rotor

3147.053.CO
37.

Intermediate wheel (counter 1/10sec)

3402.009.CO
38.

Counting wheel 1/10 sec
Parts 2030.017.CO, 3402.009.CO, 3004.227 and 3500.075 must be exchanged together.



G

2020.149.G
39.

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

4000.250
40.

Screw

3621.053.RK
41.

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

3621.054.RK
42.

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
43.

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
44.

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

4000.250
45.

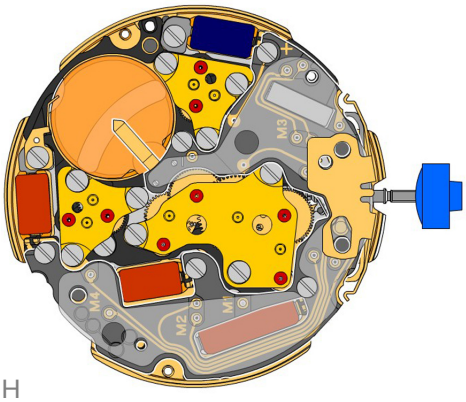
Screw

3601.118
46.

Contact strip
Contact strip held by 1 screw 4000.250.

3603.034
47.

Battery insulator



H

3612.144.5050
48.

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

4000.248
49.

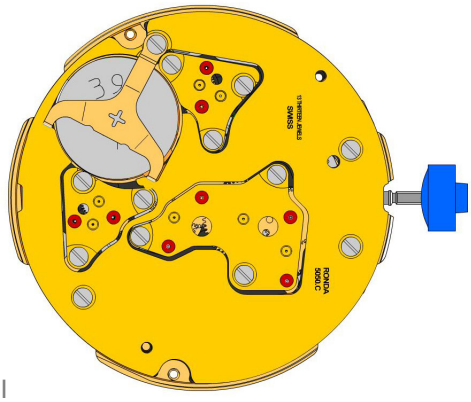
Screw

3603.069
50.

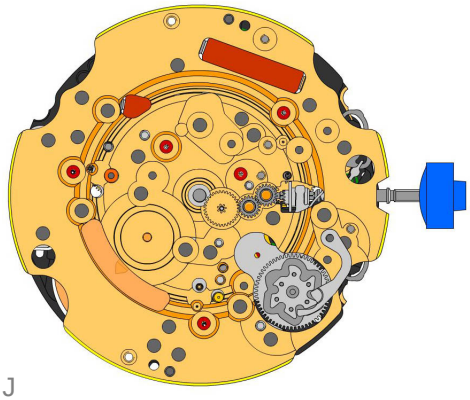
Circuit insulator

3601.107.G
51.

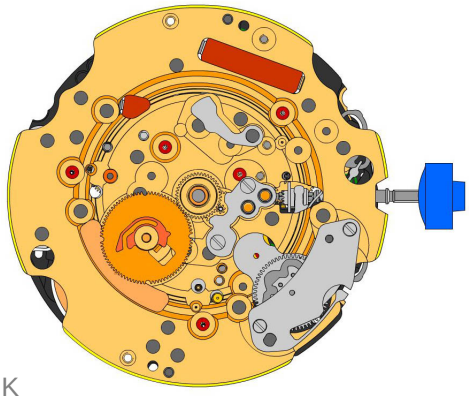
Pusher contact spring



2130.137.G.M01.5050C 52.		Electronic module cover Electronic module cover held by 3 screws 4000.250.
3600.010.HGF 53.		Battery 395
3601.109.G 54.		Bridle + Bridle held by 1 screw 4000.250.
4000.250 55.		Screw



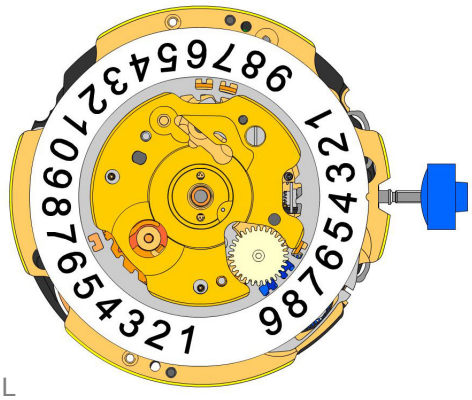
J



K

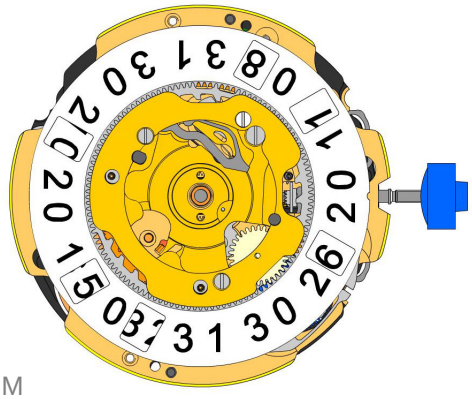
2000.574.G 56.		Main plate
3004.164 57.		Setting wheel
3004.164 58.		Setting wheel
3007.054.CO 59.		Minute wheel
2130.143 60.		Minute train bridge Minute train bridge held by 2 screws 4000.305.
4000.305 61.		Screw
3004.227 62.		Tens indicator driving wheel Parts 2030.017.CO, 3402.009.CO, 3004.227 and 3500.075 must be exchanged together. The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.075 63.		Tens jumper Parts 2030.017.CO, 3402.009.CO, 3004.227 and 3500.075 must be exchanged together.
2130.142 64.		Tens jumper maintaining plate Tensioning the spring arm. Tens jumper maintaining plate held by 2 screws 4000.306.
4010.306 65.		Screw

3301.242 66.		Hour wheel (Aig.2)
3315.016 67.		Friction spring
3004.224.CO 68.		Date indicator driving wheel
3500.049 69.		Date jumper



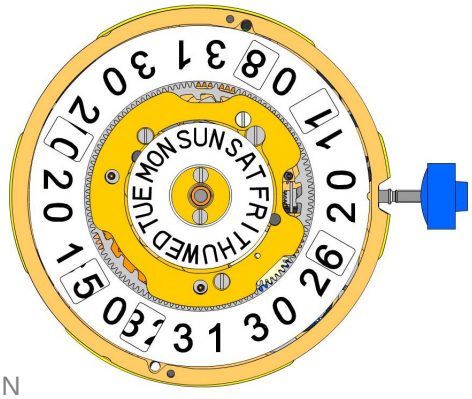
L

3504.214.AD.1.A 70.		Units indicator (standard) Nick of the indicator at 3 o`clock.
3147.054 71.		Tens intermediate wheel
2130.163 72.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw 4000.282.
3905.070 73.		Date jumper spring Insert the date jumper spring in the provided opening.



M

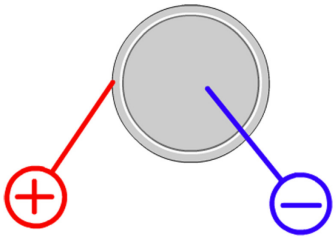
3504.215.AD.1.A 74.		Tens indicator (standard) Nick of the indicator at 3 o`clock.
3500.055 75.		Day jumper Tensioning the spring arm.
3004.175 76.		Day finger Place Day finger as shown on graphic.
2130.162.G 77.		Date mechanism maintaining plate Date mechanism maintaining plate held by 2 screws 4000.312 and 1 screw 4000.300.



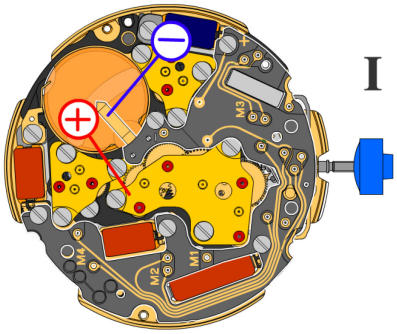
N

3508.155.AF.E.A 78.		Day indicator (standard)
2130.164.G 79.		Day indicator maintaining plate Day indicator maintaining plate held by 2 screws 4000.311.
4000.311 80.		Screw
3506.072.G 81.		Dial support
4000.282 82.		Screw
4000.300 83.		Screw
4000.312 84.		Screw

8200 85.		Moebius 8200
9014 86.		Moebius 9014
124 87.		Jismaa 124
9020 88.		Moebius 9020

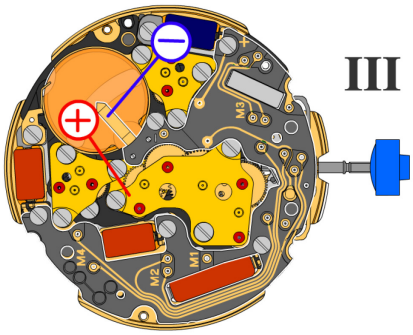


Battery	**395**
Voltage	**1.55 V**



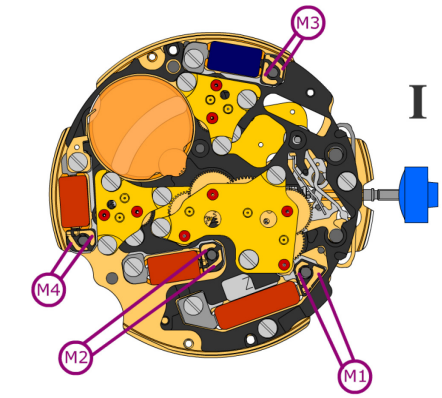
Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:

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

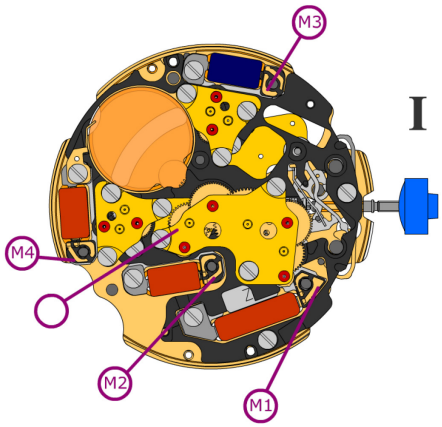


Setting stem in position III, 60 s measuring interval:

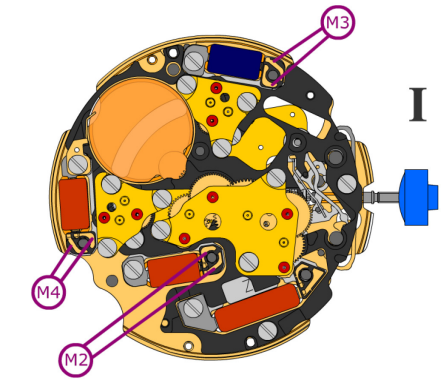
Typical consumption	***0.10 µA***
Maximal consumption	***0.30 µA***



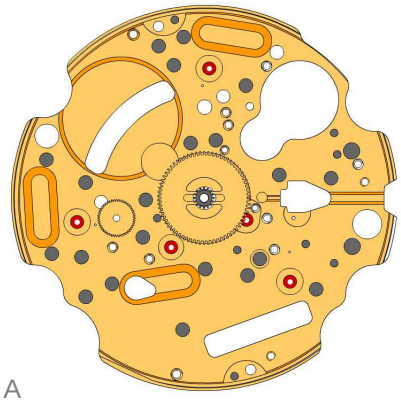
Coil resistance M1	**1.90 kΩ .. 2.10 kΩ**
Coil resistance M2	**1.68 kΩ .. 1.88 kΩ**
Coil resistance M3	**1.68 kΩ .. 1.88 kΩ**
Coil resistance M4	**1.68 kΩ .. 1.88 kΩ**



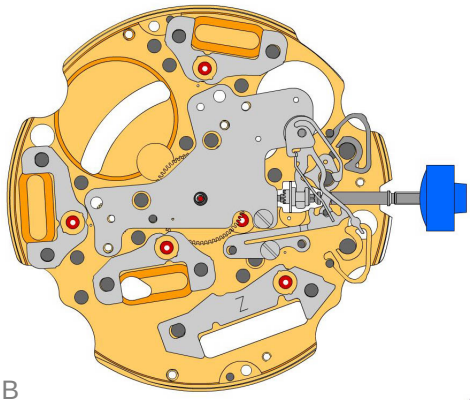
Coil isolation M1/M2/M3/M4	**∞ kΩ**



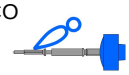
Signal generator (4.9 ms, 8 Hz):	
Lower working voltage limit M2/M3/M4	**1.20 V**

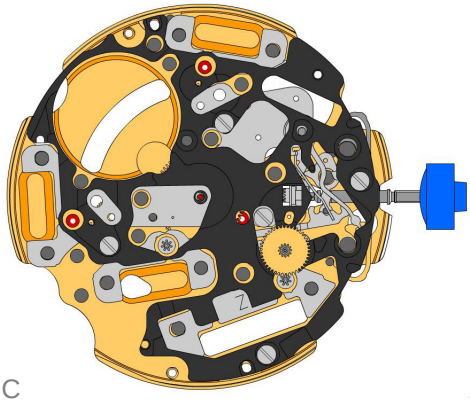


A



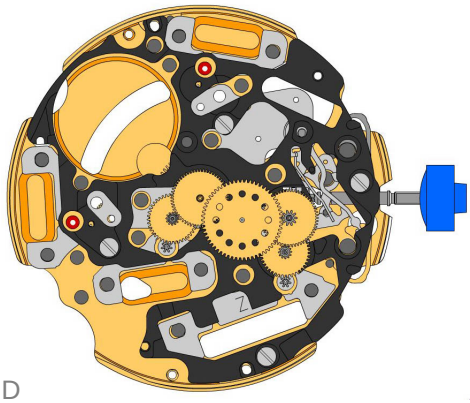
B

2000.574.G 1.		Main plate
3305.282.CO 2.		Cannon pinion with driver (Aig.2)
3301.244 3.		Hour wheel (counter 24h)
2030.032.CO 4.		Centre bridge Centre bridge held by 1 screw 4000.250.
4000.250 5.		Screw
3001.055.FI 6.		Sliding pinion
3000.177.CO 7.		Setting stem
3017.049 8.		Setting lever
3905.049 9.		Setting lever jumper (3 positions) Setting lever jumper held by 1 screw 4000.250.
3015.081 10.		Yoke (3 positions) Parts 3015.081 and 3905.067 must be exchanged together.
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)
4000.250 18.		Screw



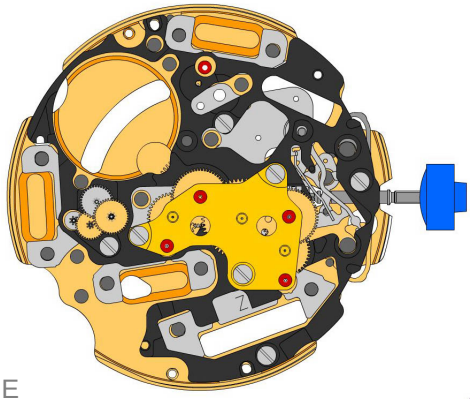
C

3603.079 19.		Plastic bracket Plastic bracket held by 4 screws 4000.250.
4000.250 20.		Screw
3715.094.RK 21.		Rotor
3715.094.RK 22.		Rotor
3147.046.CO 23.		Intermediate wheel



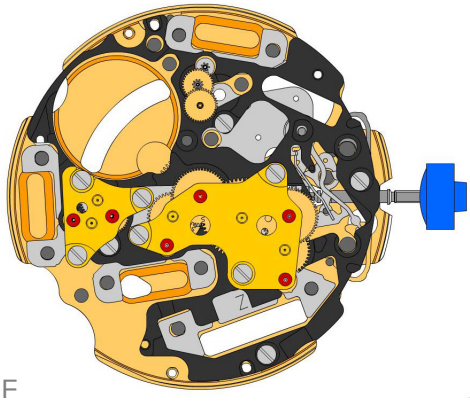
D

3136.142.CO 24.		Second wheel (long)
3147.047.CO 25.		Intermediate wheel (chrono)
3136.144.CO 26.		Chronograph wheel (Aig.2)
3122.056.CO 27.		Third wheel



E

2020.148.G 28.		Train wheel bridge Train wheel bridge held by 3 screws 4000.250.
4000.250 29.		Screw
3715.095.RK 30.		Rotor
3147.048.CO 31.		Intermediate wheel (counter)
3007.056.CO 32.		Minute wheel (counter 24h)
3402.008.CO 33.		Minute counting wheel



F

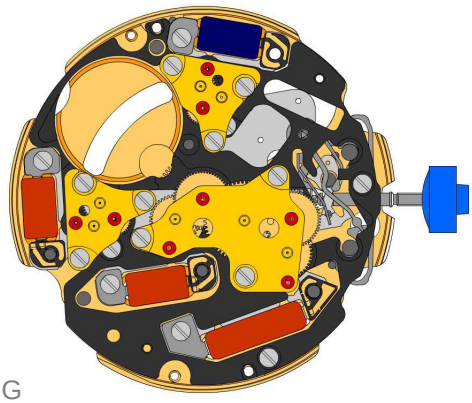
2020.149.G 34. Counter train wheel bridge
Counter train wheel bridge held by 3 screws 4000.250.

4000.250 35. Screw

3715.095.RK 36. Rotor

3147.053.CO 37. Intermediate wheel (counter 1/10sec)

3402.016.CO 38. Counting wheel 1/10 sec



G

2020.149.G 39. Counter train wheel bridge
Counter train wheel bridge held by 3 screws 4000.250.

4000.250 40. Screw

3621.053.RK 41. Coil
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

3621.054.RK 42. Coil (counter 9h, chrono)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

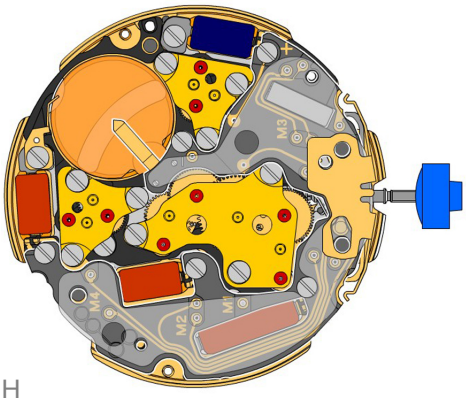
3621.054.RK 43. Coil (counter 9h, chrono)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

3621.055.RK 44. Coil (counter 6h)
Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.

4000.250 45. Screw

3601.118 46. Contact strip
Contact strip tenue par 1 vis 4000.

3603.034 47. Battery insulator
Contact strip held by 1 screw 4000.250.



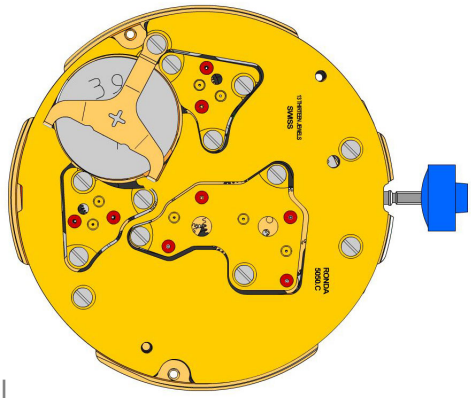
H

3612.144.5050 48. Electronic module
Electronic module held by 5 screws 4000.248. Electronic measurements may be realised now.

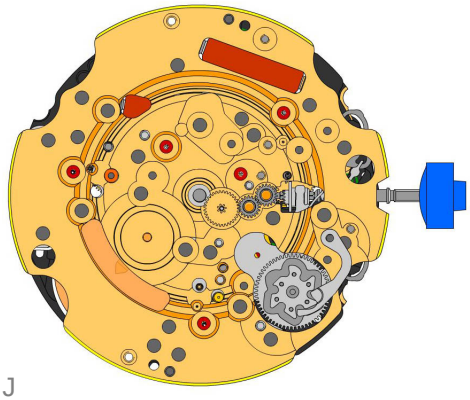
4000.248 49. Screw

3603.069 50. Circuit insulator

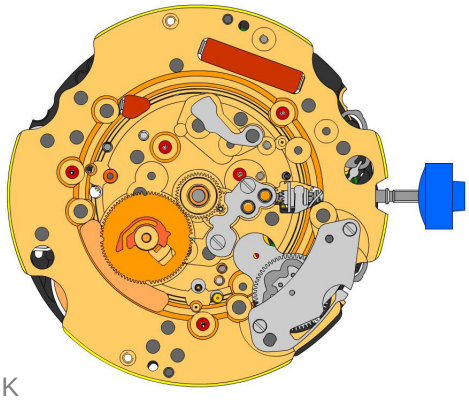
3601.107.G 51. Pusher contact spring



2130.137.G.M01.5050C 52.		Electronic module cover Electronic module cover held by 3 screws 4000.250.
3600.010.HGF 53.		Battery 395
3601.109.G 54.		Bridle + Bridle held by 1 screw 4000.250.
4000.250 55.		Screw



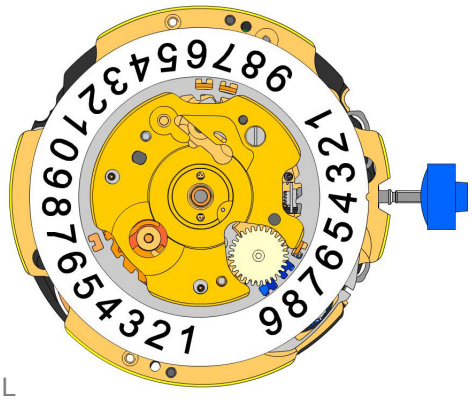
J



K

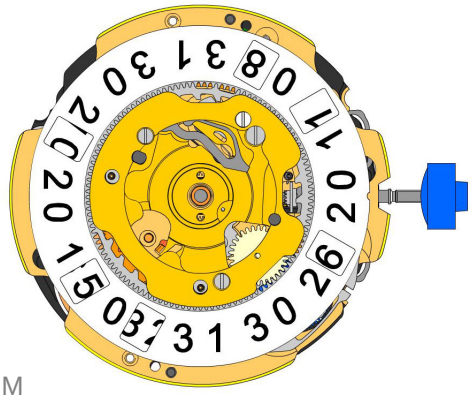
2000.574.G 56.		Main plate
3004.164 57.		Setting wheel
3004.164 58.		Setting wheel
3007.054.CO 59.		Minute wheel
2130.143 60.		Minute train bridge Minute train bridge held by 2 screws 4000.305.
4000.305 61.		Screw
3004.227 62.		Tens indicator driving wheel Parts 3004.227 and 3500.75 must be exchanged together. The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.075 63.		Tens jumper Parts 3004.227 and 3500.75 must be exchanged together.
2130.142 64.		Tens jumper maintaining plate Tensioning the spring arm. Tens jumper maintaining plate held by 2 screws 4000.306.
4010.306 65.		Screw

3301.242 66.		Hour wheel (Aig.2)
3315.016 67.		Friction spring
3004.224.CO 68.		Date indicator driving wheel
3500.049 69.		Date jumper



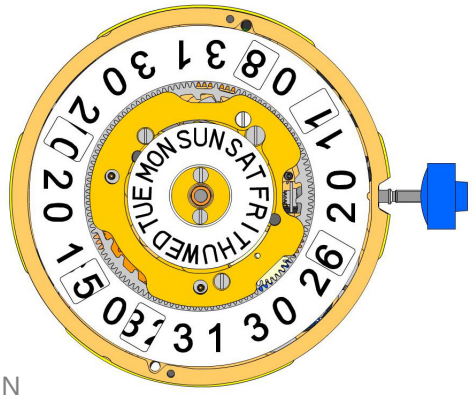
L

3504.214.AD.1.A 70.		Units indicator (standard) Nick of the indicator at 3 o`clock.
3147.054 71.		Tens intermediate wheel
2130.163 72.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw 4000.282.
3905.070 73.		Date jumper spring Insert the date jumper spring in the provided opening.



M

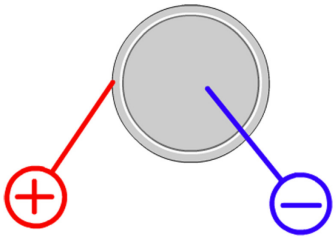
3504.215.AD.1.A 74.		Tens indicator (standard) Nick of the indicator at 3 o`clock.
3500.055 75.		Day jumper
3004.175 76.		Day finger Place Day finger as shown on graphic.
2130.162.G 77.		Date mechanism maintaining plate Date mechanism maintaining plate held by 2 screws 4000.312 and 1 screw 4000.300.



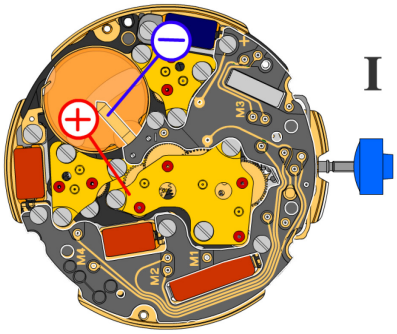
N

3508.155.AF.E.A 78.		Day indicator (standard)
2130.164.G 79.		Day indicator maintaining plate Day indicator maintaining plate held by 2 screws 4000.311.
4000.311 80.		Screw
3506.072.G 81.		Dial support
4000.282 82.		Screw
4000.300 83.		Screw
4000.312 84.		Screw

8200 85.		Moebius 8200
9014 86.		Moebius 9014
124 87.		Jismaa 124
9020 88.		Moebius 9020

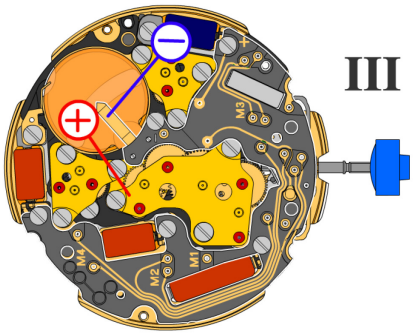


Battery	**395**
Voltage	**1.55 V**



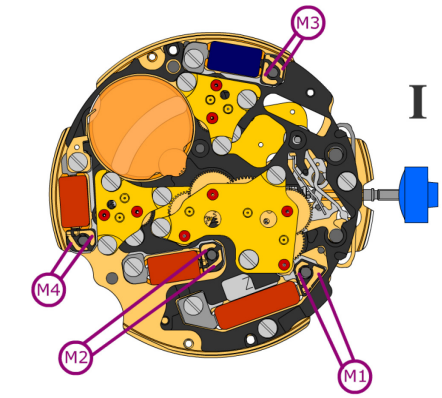
Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:

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

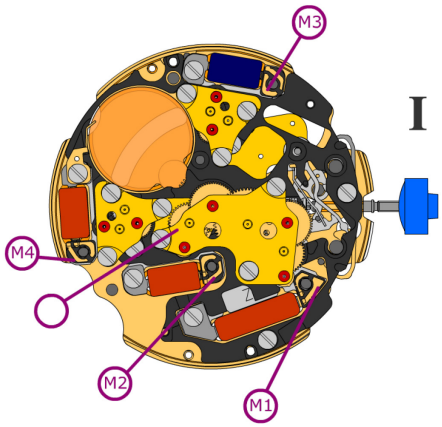


Setting stem in position III, 60 s measuring interval:

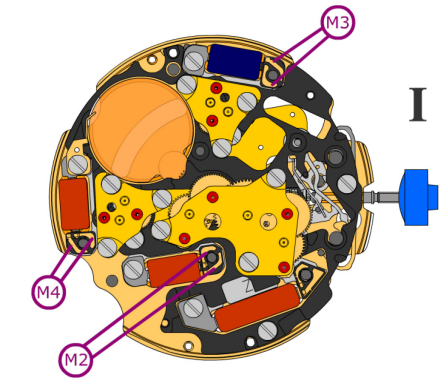
Typical consumption	***0.10 µA***
Maximal consumption	***0.30 µA***



Coil resistance M1	**1.90 kΩ .. 2.10 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	**∞ kΩ**



Signal generator (4.9 ms, 8 Hz):	
Lower working voltage limit M2/M3/M4	**1.20 V**