

OPERATING INSTRUCTIONS



<b>1</b>	<b>Introduction</b>	
	– Special recommendations . . . . .	4
	– Environmental protection . . . . .	5
	– Leather straps . . . . .	6
	– Anti-reflective treatment . . . . .	6
	– Screw-down crown . . . . .	6
	– OMEGA International Warranty . . . . .	7
<b>2</b>	<b>Operating instructions</b>	
	– <b>Quartz watch</b>	
	Calibres: 1376, 1426, 1456, 1532, 4061, 4561, 4564 . . . . .	15
	1424, 1538 . . . . .	16
	– <b>Manual &amp; Self-winding watch</b>	
	Calibres: 8400, 8401, 8500, 8501, 8507, 8508, 8511, 8601, 8611 . .	17
	8602, 8612 . . . . .	18
	1120, 2300, 2500, 2507, 2520, 2610, 2627, 8320,	
	8321, 8520, 8521 . . . . .	19
	2007, 2200, 2201, 2202, 2211, 2403, 8421 . . . . .	21
	– <b>Manual-winding chronograph</b>	
	Calibres: 1861, 1863, 1866, 3200, 3201, 3203 . . . . .	22
	– <b>Self-winding chronograph with or without date</b>	
	Calibres: 3202, 3220, 3330 . . . . .	24
	– <b>Self-winding chronograph with date</b>	
	Calibres: 1151, 1152, 1164, 3113, 3304, 3313, 3606,	
	3888, 3890 . . . . .	25
	9300, 9301 . . . . .	27
	– <b>Self-winding split-seconds chronograph</b>	
	Calibre: 3612 . . . . .	28
	– <b>Self-winding GMT &amp; GMT Chronograph</b>	
	Calibres: 2628, 3603, 8605, 8615, 9605, 9615 . . . . .	30
<b>3</b>	<b>Specific sections/general information</b>	
	– Chronometer . . . . .	32
	– Thermocompensated quartz. . . . .	33
	– Helium escape valve . . . . .	34
	– Measurement scales . . . . .	36
	– > 15,000 Gauss . . . . .	38
	– Foldover clasps . . . . .	39
	– Ploprof bezel and crown . . . . .	40
	– Bullhead crown . . . . .	41
	– Pictograms . . . . .	42

Fabricant / Manufacturer / Hersteller

OMEGASA

Rue Jakob-Stämpfli 96

2500 Bienne 4

Switzerland

**What must I do to ensure that my OMEGA watch provides me with excellent service for many years?**

**Magnetic fields:** avoid placing your watch on computers, loudspeakers or refrigerators, since they generate powerful magnetic fields.

**Swimming in the sea:** always rinse your watch with fresh water afterwards.

**Shocks:** whether physical, thermal or other, avoid them.

**Screw-down crown:** screw the crown down carefully to prevent water from penetrating the case.

**Non screw-down crown:** push it back against the case into the wearing position to prevent moisture from entering the case.

**Cleaning:** for metal bracelets, rubber straps and water-resistant cases, use a toothbrush and soapy water for cleaning and dry with a soft cloth.

**Chemical products:** avoid direct contact with solvents, detergents, perfumes, cosmetics etc., since they may damage the bracelet, case or gaskets.

**Temperature:** avoid exposure to extreme temperatures (greater than 60°C, or 140°F, less than 0°C, or 32°F) or extreme temperature changes.

**Water-resistance:** a watch's water-resistance cannot be permanently guaranteed. It may notably be affected by the ageing of gaskets or by an accidental shock to the crown. As stipulated in our service instructions, we recommend you have the water resistance of your watch checked once a year by an authorised OMEGA Service Centre.

**Chronograph push-pieces:** do not operate chronograph pushers under water in order to prevent water entering the mechanism. Exception: The Seamaster 300 m and 600 m Chronographs have pushers which function under water.

**What are the service intervals?**

Like any precision instrument, a watch needs regular servicing to ensure that it functions perfectly. We cannot indicate the frequency of such work, since it depends entirely on the model, the climate and the owner's individual care of the watch. As a general rule, a watch should be serviced every 4 to 5 years, depending on the conditions in which it is used.

**Who should I contact for a maintenance service or battery replacement?**

We recommend that you contact an approved OMEGA service centre or authorised OMEGA retailer. They are equipped with the tools and apparatus required to carry out the work and the necessary checks in a professional manner. Furthermore, these entities can guarantee that their work is carried out in accordance with OMEGA's strict quality standards.

A worn-out battery should be replaced immediately in order to reduce the risk of leakage and consequent damage to the movement. The type of battery is defined on the guarantee card enclosed with your watch.

**Collection and treatment of end of life Quartz watches\***

This symbol indicates that this product should not be disposed with household waste. It has to be returned to a local authorised collection system. By following this procedure you will contribute to the protection of the environment and human health. The recycling of the materials will help to conserve natural resources.

\* valid in EU member states and in any countries with corresponding legislation.

## 1 Introduction Leather straps

OMEGA recommends that you follow the steps below in order to preserve the condition of your leather strap for as long as possible:

- avoid contact with water and dampness to prevent discolouration and deformation.
- avoid prolonged exposure to sunlight to prevent the colour from fading.
- do not forget that leather is permeable! Therefore avoid contact with greasy substances and cosmetic products.
- if you have a problem with your leather strap, please contact your nearest OMEGA retailer!

## 1 Introduction Anti-reflective treatment



The anti-reflective treatment on both sides of the sapphire crystal improves the visibility of your watch's dial. Wear and tear may cause marks to appear. These are considered normal and are therefore not covered by the warranty.


## 1 Introduction Screw-down crown




Some watches are fitted with a screw-down crown which must be unscrewed to alter the date and time. After use, push the crown into position 1 then press and screw the crown back down, failure to screw the crown down will compromise water-resistance.

## 1 Introduction OMEGA International Warranty

(Valid for U.S.A. only)

Your OMEGA® watch is warranted by OMEGA SA\* FOR A PERIOD OF TWENTY-FOUR (24) MONTHS, THIRTY-SIX (36) MONTHS FOR WATCHES WITH A CO-AXIAL ESCAPEMENT AND FORTY-EIGHT (48) MONTHS FOR WATCHES WITH A CO-AXIAL ESCAPEMENT AND S114 BALANCE SPRING , AS WELL AS FOR WATCHES WITH THE CALIBER 8500 OR 8501, FROM THE DATE OF PURCHASE under the terms and conditions of this warranty. The international OMEGA warranty covers material and manufacturing defects existing at the time of delivery of the purchased OMEGA watch ("defects"). The warranty only comes into force if the warranty certificate is dated, fully and correctly completed and stamped by an official OMEGA\*\* dealer ("valid warranty certificate").

During the warranty period and by presenting the valid warranty certificate, you will have the right to have any defect repaired free of charge. In the event that repairs are unable to restore the normal conditions of use of your OMEGA watch, OMEGA SA guarantees its replacement by an OMEGA watch of identical or similar characteristics. The warranty for the replacement watch ends twenty-four (24) months, thirty-six (36) months for watches with a co-axial escapement, forty-eight (48) months for watches with a co-axial escapement and S114 balance spring , as well as for watches with the caliber 8500 or 8501, after the date of purchase of the replaced watch.

### **This manufacturer's warranty does not cover:**

- the life of the battery.
- normal wear and tear and ageing (for example scratched crystal; alteration of the colour and/or material of non metallic straps and chains, such as leather, textile, rubber).
- any damage on any part of the watch resulting from abnormal/abusive use, lack of care, negligence, accidents (knocks, dents, crushing, broken crystal, etc.), incorrect use of the watch and non-observance of the operating instructions provided by OMEGASA.

- the OMEGA watch handled by non-authorized persons (for example for battery replacement, service or repair) or which has been altered in its original condition beyond OMEGASA's control.

ALL APPLICABLE IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE GIVEN TO YOU BY LAW ARE HEREBY LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. UNDER NO CIRCUMSTANCES WILL OMEGASA BE LIABLE FOR ANY INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND.

Some states do not allow limitations on how long implied warranties last, or exclusions or limitations of incidental or consequential damages, so exclusions or limitations mentioned may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.


OMEGA SA's OBLIGATION IS STRICTLY LIMITED TO REPAIR OR REPLACEMENT AS EXPRESSLY STATED IN THIS LIMITED WARRANTY. YOUR OFFICIAL OMEGA DEALER CARRIES SOLE RESPONSIBILITY FOR ANY OTHER GUARANTEES.


The OMEGA customer service ensures the perfect working order of your OMEGA watch. If your watch needs maintenance, rely on an official OMEGA dealer or an authorized OMEGA Service Center as set forth in the enclosed list: they can guarantee service according to OMEGASA's standards.

\* OMEGASA  
Rue Jakob-Stämpfli 96  
CH-2500 Bienne 4

\*\* OMEGASA Specialist Dealer in EU Countries ☐☐

OMEGA® and  are registered trademarks

Your OMEGA® watch is warranted by OMEGASA\* for a period of twenty-four (24) months, thirty-six (36) months for watches with a co-axial escapement and forty-eight (48) months for watches with a co-axial escapement and S114 balance spring , as well as for watches with the caliber 8500 or 8501, from the date of purchase under the terms and conditions of this warranty. The international OMEGA warranty covers material and manufacturing defects existing at the time of delivery of the purchased OMEGA watch ("defects"). The warranty only comes into force if the warranty certificate is dated, fully and correctly completed and stamped by an official OMEGA\*\* dealer ("valid warranty certificate").

During the warranty period and by presenting the valid warranty certificate, you will have the right to have any defect repaired free of charge. In the event that repairs are unable to restore the normal conditions of use of your OMEGA watch, OMEGASA guarantees its replacement by an OMEGA watch of identical or similar characteristics. The warranty for the replacement watch ends twenty-four (24) months, thirty-six (36) months for watches with a co-axial escapement, forty-eight (48) months for watches with a co-axial escapement and S114 balance spring , as well as for watches with the caliber 8500 or 8501, after the date of purchase of the replaced watch.

#### **This manufacturer's warranty does not cover:**

- the life of the battery.
- normal wear and tear and ageing (for example scratched crystal; alteration of the colour and/or material of non metallic straps and chains, such as leather, textile, rubber).
- any damage on any part of the watch resulting from abnormal/abusive use, lack of care, negligence, accidents (knocks, dents, crushing, broken crystal, etc.), incorrect use of the watch and non-observance of the operating instructions provided by OMEGASA.
- any consequential or indirect damage resulting from the use, failure to operate, defects or lack of precision of the OMEGA watch.

- the OMEGA watch handled by non-authorised persons (for example for battery replacement, service or repair) or which has been altered in its original condition beyond OMEGASA's control.

Any further claim against OMEGASA, for example for damages additional to the above described warranty is expressly excluded, except mandatory statutory rights the purchaser may have against the manufacturer.

The above manufacturer's warranty:

- is independent of any warranty that may be provided by the seller, for which he carries sole responsibility;
- does not affect the purchaser's rights against the seller nor any other mandatory statutory rights the purchaser may have against the seller.

The OMEGA customer service ensures the perfect maintenance of your OMEGA watch. If your watch needs attention, rely on an official OMEGA dealer or an authorised OMEGA Service Centre as set forth in the enclosed list: they can guarantee service according to OMEGASA's standards.

\* OMEGASA  
Rue Jakob-Stämpfli 96  
CH-2500 Bienne 4

\*\* OMEGASA Specialist Dealer in EU Countries CE

OMEGA® and  are registered trademarks

**NOTE:** If you purchased your OMEGA® watch in Australia or New Zealand, the International OMEGA® Warranty contained in the booklet provided with this watch and on the OMEGA® website ([www.omegawatches.com](http://www.omegawatches.com)) does NOT apply to you, and is replaced by this Australian / New Zealand Warranty (referred to below as the "Warranty").

### IMPORTANT NOTICE REGARDING YOUR CONSUMER RIGHTS

The benefits given to you under this Warranty are additional to, and do not detract from, other rights and remedies that you may have in relation to your OMEGA® watch and its purchase under Australian or New Zealand laws, including consumer protection laws.

In Australia, OMEGA® watches come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have your OMEGA® watch repaired or replaced if it fails to be of acceptable quality and the failure does not amount to a major failure.

In New Zealand, OMEGA® watches also come with guarantees that cannot be excluded under the New Zealand Consumer Guarantees Act.


This Warranty:

- Is not intended to change or exclude any statutory or consumer rights that cannot be lawfully changed or excluded;
- Is independent of any warranty that may be provided by the seller, for which he carries sole responsibility; and
- Does not affect your rights against the seller, including any mandatory statutory rights you may have against the seller under local consumer laws.

**OUR WARRANTY TO YOU**

This Warranty is provided by OMEGASA of Rue Stämpfli 96, CH-2500 Bienne 4, Switzerland. Telephone +41 32 343 9211.

Your OMEGA® watch is covered by this Warranty for the periods set out below under the terms and conditions of this Warranty.

Watch	Warranty Period
OMEGA® watches	Two (2) years from the date of purchase
OMEGA® watches with a co-axial escapement	Three (3) years from the date of purchase
OMEGA® Co-Axial watches with a co-axial escapement and SI14 balance spring  and OMEGA® watches with the caliber 8500 or 8501	Four (4) years from the date of purchase

This Warranty covers material and manufacturing defects existing at the time of delivery of the purchased OMEGA® watch ("defects"). Where such defects become apparent during the warranty period and provided you present a valid warranty certificate, OMEGASA will:

- Repair your watch free of charge; or
- In the event that repairs are unable to restore the normal conditions of use of your OMEGA® watch, replace your watch with an OMEGA® watch of identical or similar characteristics. Such replacement watch will have the benefit of this Warranty for the remainder of the Warranty Period applicable to the original (replaced) watch.

**Please be aware that:**

- Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods;
- Any data you store in your watch may be lost in the course of a repair. It is your responsibility to back up any data that may be stored in your watch before presenting it for warranty service; and
- The Warranty is only valid if the warranty certificate enclosed with your OMEGA® watch upon purchase is dated, fully and correctly completed and stamped and signed by an official OMEGA® retailer.

**EXCLUSIONS AND LIMITATIONS**

This Warranty does not cover:

- The lifetime of the battery;
- Normal wear and tear and aging (e.g. scratched crystal; alteration of the colour and/or material of non-metallic straps and chains, such as leather, textile, rubber; peeling of the plating);
- Any damage on any part of the watch resulting from abnormal/abusive use, lack of care, negligence, accidents (knocks, dents, crushing, broken crystal, etc.), incorrect use of the watch and non-observance of the use directions provided by OMEGASA;
- Indirect or consequential damages of any kind resulting from e.g. the use, the non-functioning, the defects or the inaccuracy of the OMEGA® watch; or
- Defects caused by the OMEGA® watch being handled by non-authorized persons (e.g. for battery replacement, services or repairs) or altered in its original condition beyond OMEGASA's control.

**HOW TO MAKE A CLAIM UNDER THIS WARRANTY**

To make a claim under this Warranty, we recommend that you wrap your OMEGA® watch carefully so as to avoid any damage and send it by registered mail or drop it off in person to your nearest official OMEGA® retailer or an official OMEGA® Service Centre. To find current contact information for your nearest official OMEGA® retailer or official OMEGA® Service Centre, please telephone +61 3 8844 3300, email customer.service@swatchgroup.com.au or go to www.omegawatches.com.

You will be responsible for paying the expenses associated with making a claim under this Warranty, including postal or delivery expenses and any relevant taxes.

**OTHER CONDITIONS**

No official OMEGA® retailer or official OMEGA® Service Centre is authorised to make any modification, extension or addition to this Warranty. OMEGASA provides no warranty against defects beyond the rights and remedies given under this Warranty and which are available under the Australian Consumer Law and the New Zealand Consumer Guarantees Act 1993.

OMEGA® and  are registered trademarks of OMEGASA

**CALIBRES 1376, 1456, 4061 (fig. IV)**

The crown has 2 positions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.
2. **Time setting:** pull the crown out to position 2, turn the crown forwards or backwards. Push the crown back to position 1.

**CALIBRES 1426, 1532, 4561, 4564 (fig. I)**

The crown has 3 positions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.
2. **Correcting the date:** pull the crown out to position 2, turn the crown forwards or backwards. Push the crown back to position 1.
3. **Time setting:** pull the crown out to position 3. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.



**CALIBRES 1424, 1538 (fig. I)**

The crown has 3 positions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.
2. **Time zone and correcting the date:** pull the crown out to position 2. Turn the crown forwards or backwards, the hour hand moves forwards or backwards in one-hour jumps. The date can be moved forwards or backwards by moving the hour hand past midnight accordingly. Push the crown back to position 1.
3. **Time setting:** pull the crown out to position 3. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

For calibres 1424, 1426, 1532, 4561 and 4564, the end of battery life is indicated by the seconds hand making 4-second jumps. The watch will continue to function for several days, but the battery must be removed and replaced by an authorised OMEGA service agent as soon as possible.

**CALIBRES 8500, 8501, 8507, 8508, 8511 (fig. I)**

**CALIBRES 8400, 8401 (fig. VI)**

The crown has 3 positions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 60 hours or more, wind it up with the crown in position 1.

**Calibre 8511 (manual winding)**

Winding: turn the crown forward until it stops.

2. **Time zone and correcting the date:** pull the crown out to position 2. Turn the crown forwards or backwards; the hour hand moves forwards or backwards in one-hour jumps. The date jumps forwards or backwards each time the hour hand passes midnight. Push the crown back to position 1.

**Note:** the calibre 8401 has no date indicator.

△ **NB:** when changing the time zone backwards, it is necessary to move the hour hand back past 7 pm to ensure the date changes.

3. **Time setting:** hours – minutes – seconds. Pull the crown out to position 3. The second hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

**CALIBRES 8601, 8611 (fig. II)**

The crown has 3 positions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 55 hours or more, wind it up with the crown in position 1.

- Annual calendar:** pull the crown out to position 2. Turn the crown forwards to change the date or backwards to change the month. Push the crown back to position 1.

**Note:** *the day following 28 or 29 February (depending on whether it is a leap year), the date needs to be adjusted by one or two days (crown in position 2). Ideally, the date should be adjusted after setting the time. When correcting the date between midnight and 10 am, the effort required for the first jump is slightly greater than for the others.*

- △ **NB:** *Do not exit correction mode until the displays (date and month) are centred in the aperture.*

- Time setting:** hours – minutes – seconds. Pull the crown out to position 3, the seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

- △ **NB:** *when changing the date backwards in time setting mode, it is necessary to wind the hands back to 2 pm to ensure the date changes.*

#### CALIBRES 8602, 8612 (fig. III)

The crown has 3 positions:

- Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 55 hours or more, wind it up with the crown in position 1.

- Correcting the date:** pull the crown out to position 2. Turn the crown forwards to change the date or backwards to change the day. Push the crown back to position 1.

- △ **NB:** *do not quit setting mode if the displays (day and date) are not properly centred in their windows.*

- Time setting:** hours – minutes – seconds. Pull the crown out to position 3. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

- △ **NB:** *when setting the day and date backwards in setting mode, it is necessary to go back to 2 pm to ensure that the day and date change at the right time.*

#### CALIBRES 1120, 2500, 2507, 2520, 2610, 8520, 8521 (fig. I)

##### CALIBRE 2627 (fig. V)

##### CALIBRE 2300 (fig. X)

##### CALIBRES 8320, 8321 (fig. XI)

The crown has 3 positions, but only positions 1 and 3 are functional for the jewellery version of the calibre 1120 (fig. I).

- Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 48 hours or more (calibres 8320, 8321, 8520, 8521: 50 hours, calibre 1120: 44 hours and calibre 2520: 40 hours), wind it up with the crown in position 1.

- Correcting the date:** pull the crown out to position 2, turn the crown backwards (forwards for calibres 2520, 8320, 8321, 8520 and 8521) and push it back to position 1.

For calibre 2610 only: date adjustment is made by instantaneous jumps.

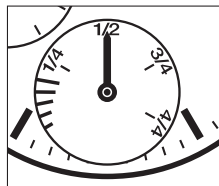
- △ **NB:** *date-setting is not recommended between 8 pm and 2 am.*

3. **Time setting:** hours – minutes – seconds. Pull the crown out to position 3. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

#### Power reserve for calibre 2627:

- Counter at 9 o'clock: small seconds.
- Counter at 6 o'clock: power reserve indicator.

When the watch is fully wound, the power reserve indicator hand points to 4/4. This means that the power reserve is at least 44 hours.



#### Power reserve:

If the watch is not being worn, or during periods of low activity, the power reserve indicator hand progressively moves anti-clockwise.

If the power reserve indicator hand is pointing to below 1/4, this means that the watch's power reserve is less than 10 hours. In this case, the watch should be worn or wound by hand to prevent it from stopping.

During manual winding (crown in position 1) or when worn (self-winding), the power reserve indicator hand moves clockwise.

**CALIBRE 2007 (fig. IV)**

**CALIBRES 2200, 2201, 2202, 2211 (fig. IX)**

**CALIBRES 2403, 8421 (fig. VIII)**

The crown has 2 positions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 40 hours or more (50 for the calibre 8421), wind it up with the crown in position 1.

#### Calibres 2007, 2201 and 2211 (manual winding)

Winding: turn the crown forwards until it stops.

2. **Time setting:** hours – minutes. Pull the crown out to position 2. Turn the crown forwards or backwards. Push the crown back to position 1.

**For calibres 2200, 2202, 2403 and 8421:** synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

**CALIBRES 1861, 1863, 3201** (fig. XVI)**CALIBRE 1866** (fig. XVIII)**CALIBRES 3200, 3203** (fig. XVII)

The crown has 2 positions:

**Watch functions:**

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Winding:** turn the crown forwards until it stops (DO NOT OVERWIND).

**Note:** do not wind the watch more often than is necessary. For a watch that is worn all the time, a single winding each day will ensure that it functions correctly.

2. **Time setting:** hours – minutes – seconds. Pull the crown out to position 2. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

**Note:** calibres 1861, 1863 and 1866 do not have a 'stop-second' mechanism. To synchronise, the crown should be gently turned backwards and pressure maintained to stop the seconds hand. Release when the display corresponds to the timing signal and push crown back to position 1.

**Chronograph functions:**

- **Pusher A:** start – stop, start – stop, etc.  
Timing to 1/6 of a second for up to 12 hours for the calibres 1861, 1863, 1866.

Timing to 1/8 of a second up to 30 minutes for the calibres 3200, 3203.

Timing to 1/8 of a second up to 12 hours for the calibre 3201.

- **Pusher B:** reset (after a stop).

**Note:** resetting/zeroing of the sub dials must only be carried out after the chronograph has stopped. Never push the chronograph's two pushers (A and B) simultaneously (calibres 3200, 3201).

**Calibre 1866 – date and moon phase correction**

- **Correcting the date (small counter at 12 o'clock):** press corrector (C).
- **Correcting the moon phase:** press corrector (D) to move the disc into the full-moon position. Then determine how many days have elapsed since the last full moon (consult a calendar) and press the corrector the equivalent number of times.

When the watch is running, the date and moon phase move forward automatically.



- △ **Important:** avoid pressing correctors (C) and (D) (date and moon phase) if the watch is displaying any time between 7 and 12 o'clock (am or pm).

Do not set the date by moving the hour hand past midnight, since this may desynchronise the date and moon phase indicators.

CALIBRE 3202	(fig. XVI)
--------------	------------

CALIBRE 3220	(fig. XIV)
--------------	------------

CALIBRE 3330	(fig. XXIII)
--------------	--------------

The crown has 2 positions:

#### Watch functions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 45 hours or more, wind it up with the crown in position 1.

2. **Time setting:** hours – minutes – seconds. Pull the crown out to position 2. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

#### Calibre 3330 (fig. XXIII)

**Correcting the date:** press the corrector (C) positioned at 10 o'clock.

#### Chronograph functions:

- **Pusher A:** start – stop, start – stop, etc.  
Timing to 1/8 of a second for up to 12 hours.
- **Pusher B:** reset (after a stop).

**Note:** never push the chronograph's two pushers (A and B) simultaneously (calibre 3202). The reset function should only be done after the chronograph has stopped.

△ **Warning:** correcting is impossible between 8.30 pm and 11 pm.

CALIBRES 1151, 3606	(fig. XII)
---------------------	------------

CALIBRES 1152, 1164	(fig. XIII)
---------------------	-------------

CALIBRE 3313	(fig. XV)
--------------	-----------

CALIBRE 3304	(fig. XX)
--------------	-----------

CALIBRES 3888, 3890	(fig. XXII)
---------------------	-------------

CALIBRE 3113	(fig. XXVI)
--------------	-------------

The crown has 3 positions:

#### Watch functions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 44 hours or more (calibres 3888, 3890: 52 hours), wind it up with the crown in position 1.

2. **Correcting the date:** pull the crown out to position 2, turn the crown forwards (backwards for calibres 1151, 3606), then push the crown back to position 1.

△ **NB:** the date cannot be corrected between 8.30 pm and 1 am. (9 pm and 4 am for the calibres 1151 and 3606; see note below for the calibres 3888 and 3890).

#### Calibre 3304 (fig. XX)

**Correcting the date:** press the corrector (C) at 10 o'clock.

#### Calibres 1151, 3606 (fig. XII)

**Correcting the day:** press the corrector (C) at 10 o'clock.

**Correcting the month:** automatic each time the date hand passes 31.

**Calibres 3888, 3890 (fig. XXII)**

**Correcting the day:** pull the crown out to position 2, turn the crown backwards, then push the crown back to position 1.

**Note:** in the quick mode, the date is changed in two steps. Check that the date hand (calibre 3888) or day disc plate (calibre 3890) is centred after the change has been made.

*Date-setting is not recommended between 10 pm and 2 am. During this time lapse and under certain conditions, a safety element can prevent these corrective functions from working.*

3. **Time setting:** hours – minutes – seconds. Pull the crown out to position 3. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

**Chronograph functions:**

- **Pusher A:** start – stop, start – stop, etc.  
Timing to 1/8 of a second for up to 12 hours or up to 7 days for calibres 3888 and 3890.
- **Pusher B:** reset (after a stop).

**Note:** the chronograph must always be stopped before the zero resetting function is used. Never push the chronograph's two pushers (A and B) simultaneously (calibre 3313).

**CALIBRES 9300, 9301 (fig. XXIV)**

The crown has 3 positions:

**Watch functions:**

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 60 hours or more, wind it up with the crown in position 1.

2. **Time zone and correcting the date:** pull the crown out to position 2. Turn the crown forwards or backwards, the hour hand moves forwards or backwards in one-hour jumps. The date can be moved forwards or backwards by moving the hour hand past midnight accordingly. Push the crown back to position 1.

△ **NB:** when changing the time zone backwards, it is necessary to move the hour hand back past 7 pm to ensure the date changes.

3. **Time setting:** hours – minutes – seconds. Pull the crown out to position 3. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

**Chronograph functions:**

- **Pusher A:** start - stop, start - stop, etc.  
Timing to 1/8 of a second for up to 12 hours.
- **Pusher B:** reset (after a stop).

**CALIBRE 3612 (fig. XIX)****Watch functions**

The crown has 3 positions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.
2. **Correcting the date:** pull the crown out to position 2, turn the crown backwards, then push the crown back to position 1.

△ **NB:** the date cannot be corrected between 9 pm and 12.30 am.

3. **Time setting:** hours – minutes – seconds. Pull the crown out to position 3. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

**Occasional winding:** if the watch has not been worn for 55 hours or more, wind it up with the crown in position 1.

**Chronograph functions:**

- **Pusher A:** start – stop, start – stop, etc.  
Timing to 1/8 of a second for up to 12 hours.
- **Pusher B:** reset (after a stop).

**Note:** the chronograph must always be stopped before the zero resetting function is used. Never push the chronograph's two pushers (A and B) simultaneously.

**Chronograph functions with split-seconds:**

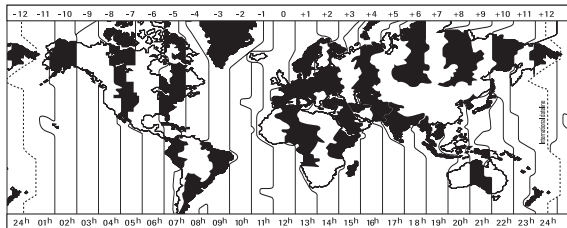
The split-seconds function allows split times to be recorded whilst the chronograph is running.

1. Start the chronograph by pressing pusher (A) (start).
2. To record a split time, press pusher (C). The split-seconds hand (D) stops, indicating the split time, whilst the chronograph continues running.

△ **NB:** the split time should be read immediately, since the chronograph totalisers for hours (G), minutes (E) and seconds (F) continue to measure the elapsed time.

3. Press pusher (C) for the split-seconds hand to catch up with the chronograph seconds hand (F).
4. To record a new split time, start from step 2 above.
5. Press pusher (A) to stop the chronograph.
6. Press pusher (B) to reset.

△ **NB:** the split-seconds hand (D) must have caught up with the chronograph seconds hand (F) as explained in step 3 before the chronograph mechanism is reset/zeroed.



People travelling **East**, for example from London to Hong Kong, should pull the crown out to position 2 and move the hour hand forwards (in this case by 8 hours). The table above can be used to calculate any time difference.

People travelling **West**, for example from London to New York, should pull the crown out to position 2 and move the hour hand backwards (in this case by 5 hours). The table above can be used to calculate any time difference.

In both cases, the '24-hour' hand allows travellers to read the time back home – London, in our example – at a glance, using the 24-hour scale on the dial. The second time zone – in this case Hong Kong or New York – is read off the dial in the usual way. Each time the hour hand crosses midnight, the date jumps forwards or backwards, depending on whether the hour hand is moved forwards or backwards.

**CALIBRES 2628, 8605, 8615 (fig. VII)**

**CALIBRE 3603 (fig. XXI)**

**CALIBRES 9605, 9615 (fig. XXV)**

The crown has 3 positions:

1. **Normal position (wearing position):** when the crown is positioned against the case, the crown ensures that the watch is water-resistant.

**Occasional winding:** if the watch has not been worn for 44 hours (calibre 2628), 60 hours (calibres 8605, 8615, 9605 and 9615) or 55 hours (calibre 3603) or more, wind it up with the crown in position 1.



2. **Setting the time zone and correcting the date:** pull the crown out to position 2. Turn the crown forwards or backwards, and only the hour hand will move forwards or backwards by 1-hour intervals. By passing the hour hand over midnight, the date can be changed forwards or backwards. Push the crown back to position 1.

### Synchronisation of the hour hand and the '24-hour' hand

Pull the crown out to position 2 and turn it to synchronise the hour hand with the time indicated by the '24-hour' hand on the 24-hour scale in the centre of the dial. Make sure you set the hour hand in the correct half of the day!

After synchronising the hour hand with the '24-hour' hand, you must set the local time on your watch. Push the crown back to position 1.

3. **Time setting:** 24 hours – hours – minutes – seconds. Pull the crown to position 3. The seconds hand will stop. Turn the crown forwards or backwards. Synchronise the seconds by pushing the crown back to position 1 to coincide with a given time signal.

### SECOND TIME ZONE

Thanks to the '24-hour' hand with its triangular point, travellers can read the time back home at a glance on the 24-hour scale at the centre of the dial.

### Chronograph functions

(calibre 3603 - fig. XXI, calibres 9605, 9615 - fig. XXV)

- **Pusher A:** start – stop, start – stop, etc.  
Timing to within 1/8 of a second for up to 12 hours.
- **Pusher B:** reset (after stopping).

**Note:** never push the chronograph's two pushers (A and B) simultaneously (calibre 3603).



**OMEGA watches with a chronometer-certified movement**

A chronometer is a high-precision watch whose movement has been individually tested, for 15 days in 5 positions and at 3 temperatures, by a neutral official organism (COSC) in accordance with the ISO 3159 (NIHS 95-11) Standard. Each chronometer is unique, and identified by a number engraved on its movement.

COSC: Official Swiss Chronometer Testing Institute

NIHS: Swiss Watchmaking Industry Standard

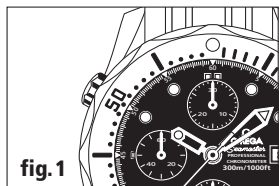
**Watches with thermocompensated quartz**

This movement is equipped with an electronic module that balances out the influences of temperature on the precision of the quartz.



Your OMEGA Seamaster Professional Diver is the watch for professional and amateur divers, as well as demanding sportsmen and –women. A robust design, the new helium escape valve (exclusive OMEGA patent), together with all the protection systems, offer optimal security and reliability. In order to ensure that your watch remains watertight, we recommend that you have it checked by an authorised OMEGA partner every year.

### Helium escape valve (fig.1)



Why a helium escape valve? When carrying out work at great depths, professional divers stay in a diving bell for several days, breathing a mixture of gases containing a high proportion of helium. The pressure is gradually increased to reach the pressure at the working depth. The divers, still inside the bell, are then lowered to the working site. They leave the bell to carry out their work.

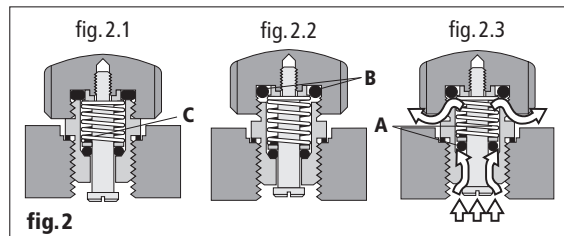
Once their work is complete, they re-enter the bell, which is then raised to the surface. Pressure is then returned to atmospheric levels and this is when the valve must be opened (only for deep-sea dives lasting several days).

The helium molecules diffuse and penetrate the material of the gaskets. The quantity is sufficient to push out the crystal during the return to atmospheric pressure. To avoid this, the Seamaster Professional Diver is equipped with a valve specially developed by OMEGA.



### How to use the helium escape valve? (fig.2)

In its normal position (fig.2.1), the OMEGA helium escape valve is perfectly watertight thanks to the gaskets (B), but it is not functional, since it is screwed down.



During the decompression phase, unscrew the crown of the valve in order to release the mechanism (fig.2.2). The valve is now watertight from the outside. As the interior pressure becomes greater than the exterior pressure, it pushes the gasket (A) out of its seating, thus releasing the gas (fig.2.3). Once the pressure is equalised, gasket (A) returns to its original position, pushed by the spring (C) (fig.2.2).

This operation is automatically repeated several times during the decompression phase. Once atmospheric pressure is reached, screw down the crown of the valve (fig.2.1).

**Watch with a corrector incorporated in the helium valve:** to make a correction, the helium valve must be fully screwed in.

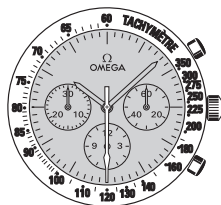
**Note:** Even if the valve is unscrewed, and we strongly recommend that the valve remains screwed down whenever the watch is immersed in water, the watch is still water-resistant to a relative pressure of 5 Bar (50 metres). However, complete water-resistance to the dial depth can only be achieved with gasket (B) and the valve in the screwed down position.

**Automatic helium escape valve:** if your watch is equipped with an automatic helium escape valve, no manipulation is required.



The desired information (tachometer; pulsimeter) is read off between the central seconds hand of the chronograph and the corresponding scale, over a maximum duration of 60 seconds. For the telemeter, it is possible to make use of the minutes counter by adding 20 km to the distance indicated by the central seconds hand for each minute elapsed.

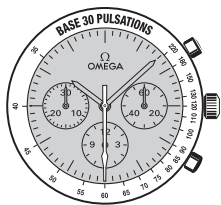
### Using the tachymetric scale



Example: calculating the speed of a car.

Record the time the car takes to cover a distance of 1 kilometre. Read off the tachymetric scale the speed indicated by the central seconds hand. In this case, the car is travelling at 120 km/h.

### Using the pulsimetric scale

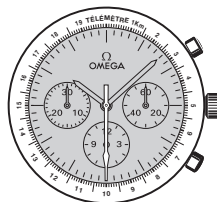


Example: calculating the number of heart-beats per minute.

Start the chronograph, count the heart-beats and stop it at the beat corresponding to the scale graduations of your chronograph (here to the 30<sup>th</sup> beat). Read the number of beats per minute off the pulsimetric scale: here, 60 beats/minute.



### Using the telemetric scale



Example: calculate the distance between your position and an event producing light and sound simultaneously (e.g. a storm).

The chronograph is set off by the detection of light, for example a lightning strike. Then it stops on detection of the sound, the clap of thunder. Here, the storm is 9.9 km away.



Your OMEGA watch is designed to resist a magnetic field of over 15,000 gauss. This is an intensity higher than any to which it will be exposed in everyday use (for example, the magnet in a handbag clasp may attain 2,000 gauss). Not only will your watch not stop in the presence of a magnetic field, it will not even suffer any loss of accuracy after being exposed to such a field.\*

\*Checked at 15,000 gauss in accordance with standard ISO 764.2002.

Only OMEGA straps, specially designed for this foldover clasp, should be used. For your own peace of mind and convenience, we recommend that you have your new clasp fitted by an authorised OMEGA service centre. You can always adjust the length of the bracelet yourself.

**Opening (fig. 1):** to open the clasp, press the two pushers on either side of the OMEGA buckle and pull upwards.

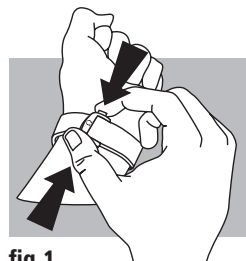


fig. 1

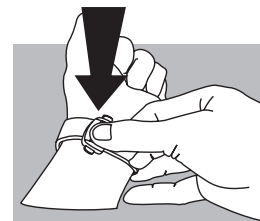


fig. 2

**Closing (fig. 2):** put the watch on your wrist and close the clasp by pushing on it with your thumb until you hear a click. (fig. 2).

**Adjusting the length (fig. 3):** free the longer section from the two slideways (A) and from the catch (B). Adjust the bracelet in the required direction and reinsert in the catch and the two slideways. Try the watch for size and readjust if necessary.

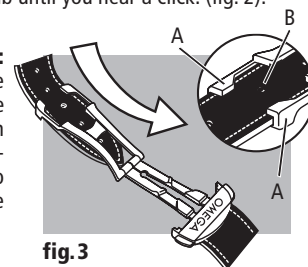
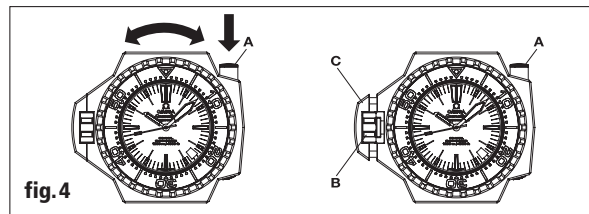


fig. 3

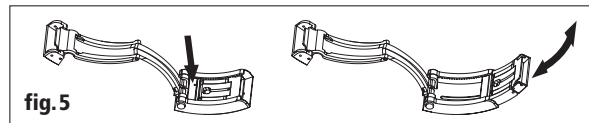
**Using the rotating bezel (fig. 4):** keep the pusher (A) pressed down to turn the bezel.

**Using the crown (fig. 4):** the crown (B) must be unscrewed before it can be used, when the crown protection (C) will slide without turning. After use, push the crown to position 1, then press and screw the crown down again (to ensure the water resistance of the case).

**Note:** the crown is located at 9 o'clock, but its functions are identical.

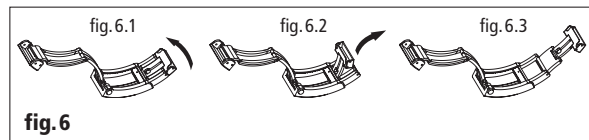


**Using the fine length adjuster (fig. 5)**



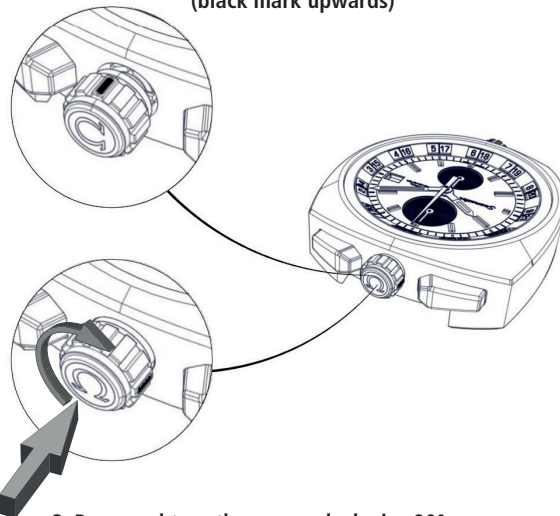
**Using the diving extension (fig. 6)**

**Note:** to fold the diving extension away, it is important to proceed according to fig. 6.2 (with the diving extension perpendicular to the cover of the clasp).













































How to screw down your Bullhead crown

1. Position the crown  
(black mark upwards)



























### 3 Specific sections/general information

## Pictograms

	Calibre number		Tachymeter
	Co-Axial escapement		Pulsimeter
	Si14 silicon balance-spring		Telemeter
	Resistant magnetic field > 15,000 gauss (>1,5 Tesla)		Sapphire crystal
	Thermocompensated quartz movement		Anti-reflective treatment
	OMEGA-matic		Double anti-reflective treatment inside and outside
	Quartz		Sapphire Crystal Case Back
	Self-winding		Ceramic Case
	Manual-winding		Screw-down crown
	Chronometer		Helium escape valve
	Time zone function		750‰ (18K)
	Jump hour		OMEGA SEDNAGOLD™ Gold 750‰
	Annual calendar		950‰ platinum
	Big date		950‰ palladium
	Perpetual calendar		Liquidmetal®
	Split-seconds		OMEGA CERAGOLD™
	Power Reserve		Titanium
	Second time zone		Ceramic Bezel
	Day-date		Watch with diamond(s)
	Moon phase		Limited edition
	End of battery life indicator		Numbered edition

### 3 Specific sections/general information

## Pictograms

	2-year international guarantee		Water-resistant to a relative pressure of 15 bar (150 metres/500 feet)
	3-year international guarantee		Water-resistant to a relative pressure of 20 bar (200 metres/660 feet)
	4-year international guarantee		Water-resistant to a relative pressure of 30 bar (300 metres/1000 feet)
	WEEE regulation		Water-resistant to a relative pressure of 60 bar (600 metres/2000 feet)
	Button-type zinc-silver oxide primary battery cell		Water-resistant to a relative pressure of 100 bar (1000 metres/3300 feet)
	Button-type lithium-manganese dioxide primary battery cell		Not water-resistant
	Russian customs		Water-resistant to a relative pressure of 3 bar (30 metres/100 feet)
	Not water-resistant		Water-resistant to a relative pressure of 5 bar (50 metres/167 feet)
	Water-resistant to a relative pressure of 3 bar (30 metres/100 feet)		Water-resistant to a relative pressure of 10 bar (100 metres/330 feet)
	Water-resistant to a relative pressure of 5 bar (50 metres/167 feet)		Water-resistant to a relative pressure of 12 bar (120 metres/390 feet)
	Water-resistant to a relative pressure of 10 bar (100 metres/330 feet)		Water-resistant to a relative pressure of 13.5 bar (135 metres/440 feet)
	Water-resistant to a relative pressure of 12 bar (120 metres/390 feet)		
	Water-resistant to a relative pressure of 13.5 bar (135 metres/440 feet)		



Minute counter  
Compteur minutes  
Contador de minutos  
Minutenzähler  
Contatore minuti  
分カウンター  
분 단위 적산계  
分鐘累計器  
分钟累计器  
عداد الدقائق



Small seconds  
Petite seconde  
Pequeño segundero  
Kleine Sekunde  
Piccoli secondi  
小秒針  
초바늘  
小秒針  
小秒針  
عقرب الثواني الصغير



Hour counter  
Compteur heures  
Contador de horas  
Stundenzähler  
Contatore ore  
時カウンター  
시간 단위 적산계  
小時累計器  
小时累计器  
عداد الساعات



Chronograph seconds  
Seconde chronographe  
Segundero de cronógrafo  
Chronographensekunde  
Secondi cronografici  
クロノグラフ秒針  
크로노그래프 바늘  
計時秒針  
计时秒針  
عقرب ثواني الكرونوغراف



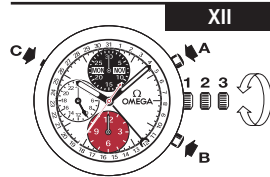
Day counter  
Compteur jours  
Contador de días  
Datumsanzeige  
Contatore giorni  
曜日カウンター  
날짜표시기  
星期累計器  
星期累计器  
عداد الأيام



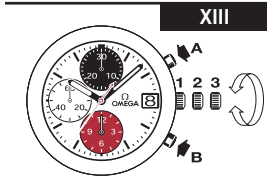
GMT hand  
Aiguille GMT  
Aguja GMT  
GMT-Zeiger  
Lancetta GMT  
GMT針  
GMT 바늘  
GMT指針  
GMT指針  
عقرب جي أم تي



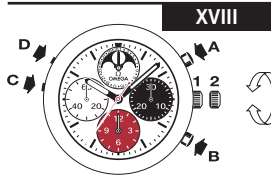
Co-Axial hours and minutes counter  
Compteur heures et minutes Co-Axial  
Contador de horas y minutos Co-Axial  
Co-Axial Stunden- und Minutenzähler  
Contatore ore e minuti Co-Axial  
同軸の時、分カウンター  
시, 분 단위 통합 적산계  
小時、分鐘同軸計時器  
小时、分钟同轴计时器  
عداد الساعات والدقائق كو-أكسيال



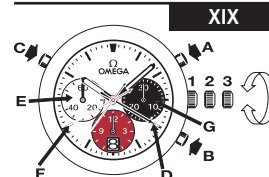
Number of calibres:  
1151, 3606



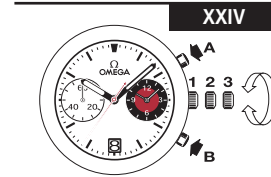
Number of calibres:  
1152, 1164



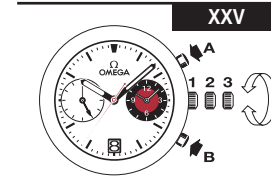
Number of calibres:  
1866



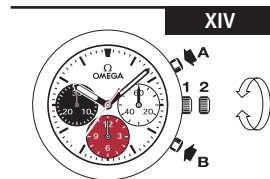
Number of calibres:  
3612



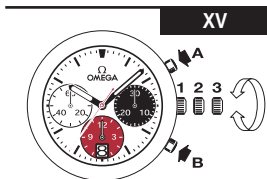
Number of calibres:  
9300, 9301



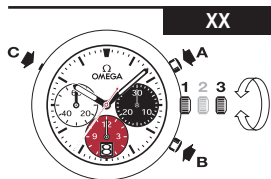
Number of calibres:  
9605, 9615



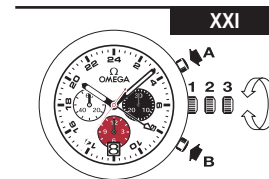
Number of calibres:  
3220



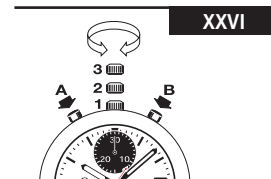
Number of calibres:  
3313



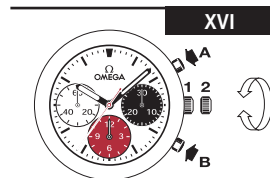
Number of calibres:  
3304



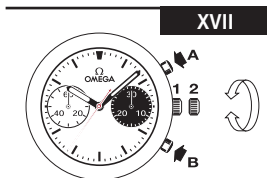
Number of calibres:  
3603



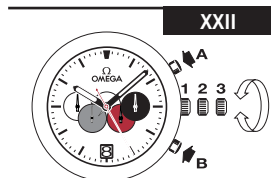
Number of calibres:  
3113



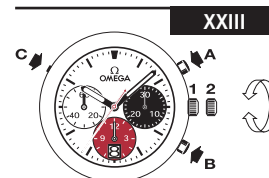
Number of calibres:  
1861, 1863, 3201, 3202



Number of calibres:  
3200, 3203



Number of calibres:  
3888, 3890



Number of calibres:  
3330

OMEGA

OMEGA

OMEGA



B

Fig. XII-XXVI  
Fig. XII-XXVI  
Fig. XII-XXVI  
Abb. XII-XXVI  
Fig. XII-XXVI  
圖 XII-XXVI  
그림 XII-XXVI  
圖 XII-XXVI  
圖 XII-XXVI  
الشكل XII-XXVI

Calibre Number:  
 Numéro de calibre :  
 Número de calibre:  
 Kalibernummer:  
 Numero di calibro:  
 キャリバー番号:  
 칼리버 번호:  
 機芯號:  
 机芯号:  
 رقم العيار

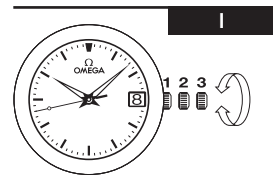
Figure Number:  
 Numéro de figure :  
 Número de figura:  
 Abb. Nr.:  
 Numero di figura:  
 図番号:  
 그림 번호:  
 圖片編號:  
 图片编号:  
 رقم الشكل

Page:  
 Page :  
 Página:  
 Seite:  
 Pagina:  
 ページ:  
 페이지:  
 頁碼:  
 页码:  
 الصفحة

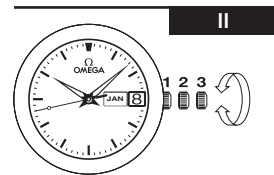
Contents

A

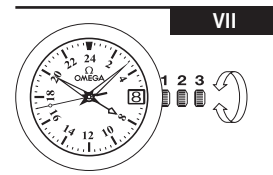
Fig. I-XI  
 Fig. I-XI  
 Fig. I-XI  
 Abb. I-XI  
 Fig. I-XI  
 図 I-XI  
 그림 I-XI  
 圖 I-XI  
 图 I-XI  
 الشكل I-XI



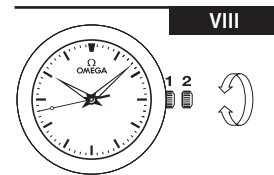
Number of calibres:  
 1120, 1424, 1426, 1532, 1538, 2500,  
 2507, 2520, 2610, 4561, 4564, 8500,  
 8501, 8507, 8508, 8511, 8520, 8521



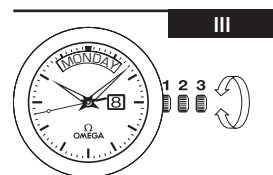
Number of calibres:  
 8601, 8611



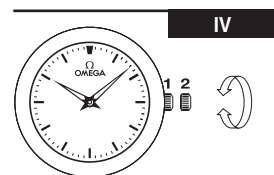
Number of calibres:  
 2628, 8605, 8615



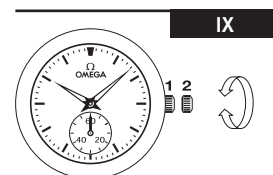
Number of calibres:  
 2403, 8421



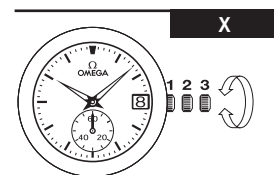
Number of calibres:  
 8602, 8612



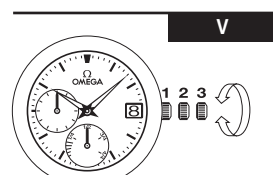
Number of calibres:  
 1376, 1456, 2007, 4061



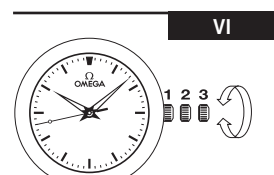
Number of calibres:  
 2200, 2201, 2202, 2211



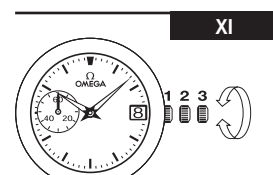
Number of calibres:  
 2300



Number of calibres:  
 2627



Number of calibres:  
 8400, 8401



Number of calibres:  
 8320, 8321