

OMEGA WATCHES WITH CERAMIC COMPONENTS

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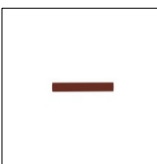
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1. General

This Working Instruction concerns "OMEGA watches with ceramic components" in order to ensure that the Omega standards are met during a service.

2. Recommended tools

2.1. Recommended tools for removing metal deposits on ceramic components

Image	Description	Use / Remarks
	Pen with polishing stick for ceramic 516W000543	Ceramic components
	Polishing stick 7129-4-F 516W000666	Ceramic components

2.2. Recommended tools for "Ceramic Speedmaster Moonwatch" models


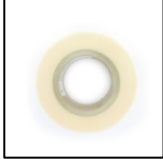


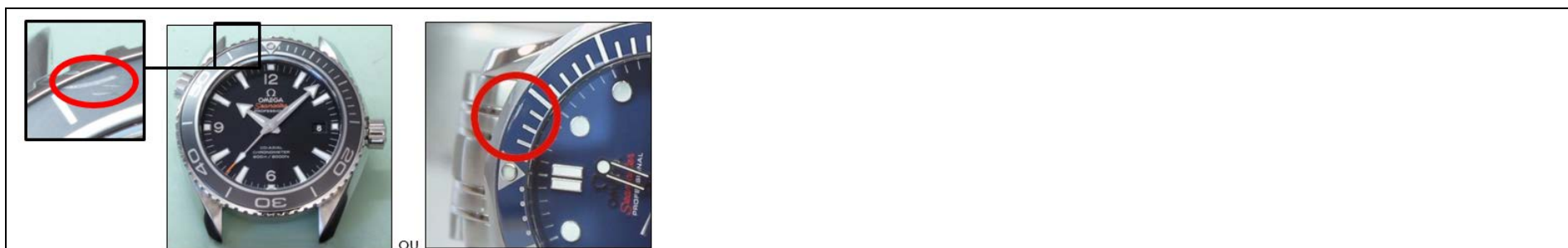
Image	Description	Use / Remarks
	SWISS KNIFE WITH LEATHER COVER 5140285	Opening the case
	ROLLER PVC Ø 50 EP 0.10 L 100 M 5170164	Used to protect the ceramic caseback while fitting.
	PRESS BERGEON 6173 5051000040	Closing the case back
	SUPPORT TO CLOSE BACK SP CERAMIC 510W000033	Set of upper and lower supports for case back fitting

Image	Description	Use / Remarks
	SET PLIERS SP CERAMIC 510W000034	Pliers set for removing the bezel
	SET BEZEL REMOVER 5100360	Bezel removing tool
	SUPPORT FOR CRYSTALS Ø 38.00 5100119	Pliers set for removing the bezel.
	FITTING BEZEL SP CERAMIC 510W000026	Upper and lower supports for fitting bezel.

3. Metal deposits on ceramic components

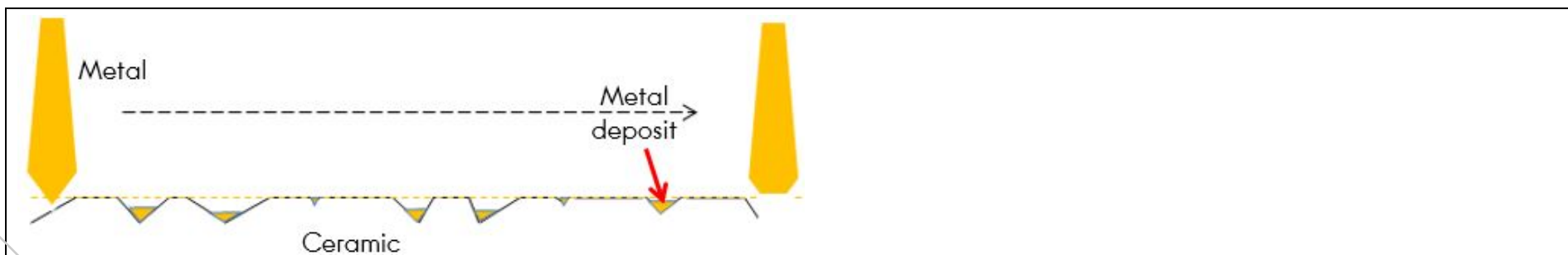
Ceramic components are found on certain OMEGA models. When the watch is worn daily, the ceramic components may come into contact with metals (aluminium door frames, tables, keys, etc.). This can lead to traces or deposits (see photo 3.1. below) similar to the grey or black spots found occasionally in a washbasin or bath tub. They can be removed using a polishing pen. More detailed information is given in the following lines below.

Condition of the watch



Above are examples of metal deposits on ceramic surfaces.

Surface



Metal deposits (softer material) can occur when a metallic material rubs against a ceramic surface.

4. How to remove metal deposits on ceramic components

Procedure



The metal deposits can be removed using the polishing pen (ref. 516W000543). The eraser should be rubbed gently on the ceramic surface until all the deposits have been removed.

Result



This is the final result after using the polishing pen.

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4.1. Video: Metal deposits on ceramic components



[Video:](#)
[Metal deposits on ceramic components](#)



COMMENT:

One exception only: Model ETNZ (the pen with polishing stick will damage the bezel)



Watch reference (PIC):
212.92.44.50.99.001

5. Ceramic Speedmaster Moonwatch" models fitting and dismantling procedure

5.1. Removing the case back

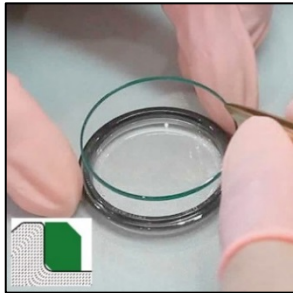





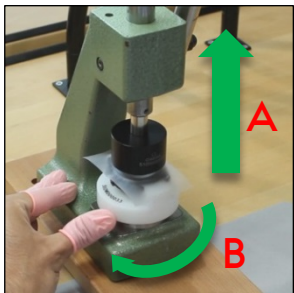
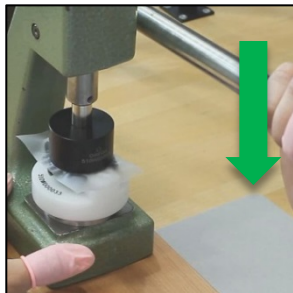
Incorrect Method

<p>DO NOT attempt to open the caseback at the lug...</p>	<p>...even with the plastic protection in place...</p>		<p>...the lug will be damaged!</p>	

Correct Method

<p>Place the knife as shown. Carefully press inwards.</p>	<p>The case must be opened at 9 o'clock as indicated in green.</p>	<p>Place plastic protection ref. 5170164 over the case.</p>	<p>The back will lift a little.</p>	<p>Lever the knife against the case back and NOT against the case. Continue until the back comes off.</p>	<p>Finally, remove the caseback from the case.</p>

5.2. Fitting the case back

<p>1</p> 	<p>2</p> 		<p>3</p> 	
<p>Fit the gasket to the case back and then place the caseback on the case.</p>	<p>Note the crown position "A" on the left and at position "B", the words "Dark side of the moon" must appear exactly between the lugs at 12 o'clock.</p>		<p>Carefully place the watch on support ref. 510W000033.</p>	
<p>4</p> 	<p>5</p> 	<p>6</p> 	<p>7</p> 	<p>8</p> 
<p>Place the watch with both supports onto the press.</p>	<p>Place a sheet of plastic protection over the case back</p>	<p>Press the case back down.</p>	<p>Lift the upper support "A" and turn the lower support 90° "B".</p>	<p>Press the case back down once more.</p>

5.3. Video: Removing and fitting a pressed on ceramic caseback



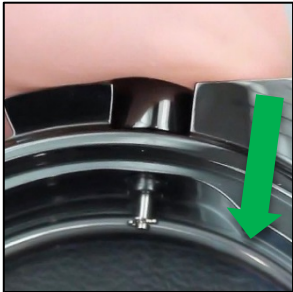
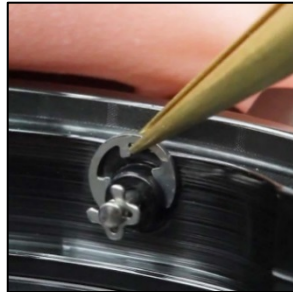
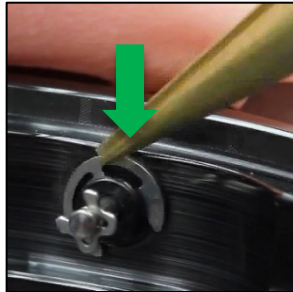


[Video:](#)
[Removing and fitting a pressed on ceramic caseback](#)

5.4. Removing the chronograph pushers

1	2	3	4	5
Press and hold down the pusher.	Hold the larger pusher clip with the brass tweezers.	Lift the pusher clip out of place.	Release the pusher.	Finally, pull the complete pusher out from the case.

5.5. Fitting the chronograph pushers



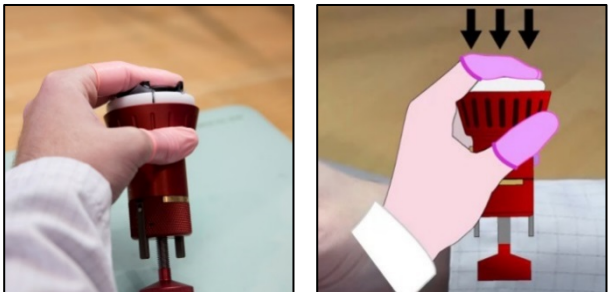

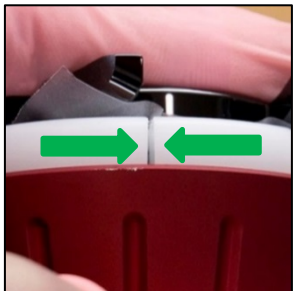
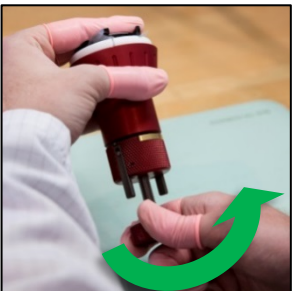
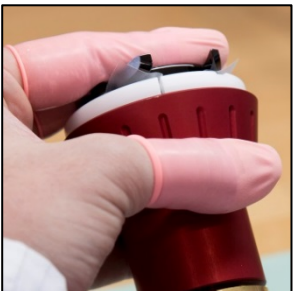
1	2	3	4	5
				
Place a small amount of Fomblin around the pusher gasket.	Carefully fit the pusher to the case.	Press and hold down the pusher.	Place the pusher clip into the slot of the pusher.	Press the clip down as far as it will go.

5.6. Video: Removing and fitting ceramic pushers

	<p>Video: Removing and fitting ceramic pushers</p>
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5.7. Removing the bezel

Attention! The crystal must still be fitted to the case when removing the bezel.

<p>1</p> 	<p>2</p> 	<p>3</p> 	
<p>Use pliers ref. 510W000034.</p>	<p>Protective plastic sheet must be placed between the pliers and the bezel.</p>	<p>Place two fingers on the case and press downwards as indicated above.</p>	
<p>4</p> <p>A</p> 	<p>5</p> <p>B</p> 	<p>6</p> 	
<p>Continue to press on the case and turn the bottom part of the extractor (A) until the pliers are closed and the bezel is firmly held in place (B).</p>		<p>Hold the case again with your fingers and turn the handle clockwise with the other hand. Turn it as far as it will go. Continue to turn using slight pressure until the case is separated from the bezel.</p>	

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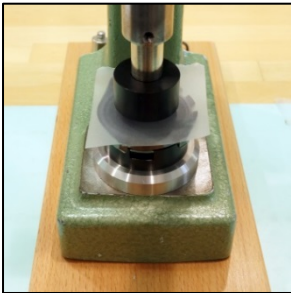
6	7
The case can now be removed from the tool.	Unscrew the extractor until the pliers are open and remove the bezel.

5.8. Fitting the bezel



Attention! To reduce pressure on the bezel, the crystal must be removed (see point 5.8) when fitting the bezel.

1	2	3	4	5
Use tools ref. 510W00026.	Place the gasket on the case, making sure it is in its seating, and centre the case by inserting the centring pin in the crown tube.	Fit the bezel to the case middle. Align the tachymetre of the bezel with the centring line on the lower support.	Place the upper support on the bezel. The upper support must only rest on the bezel.	Press down the bezel, turn 90° and press once more. After the operation, check that the bezel is holds firmly.

5.9. Removing the crystal

1	2
	
<p>Take a 37.5 mm diameter support (example: STAKE DRIVEN BEZEL GENT CHRONO ref. 5100098) and standard support ref. 5100040 (29 mm).</p>	<p>Put the case onto the 37.5 mm support with the crystal facing down. Place a protective plastic sheet between the support and the crystal. Do not put protective film between the crystal and the lower support.</p>

5.10. Fitting the crystal

1	2
	
<p>Place the crystal gasket onto the case, making sure it is in its seating, and centre the case by inserting the centring pin in the crown tube.</p>	<p>Place a protective plastic sheet between the crystal and the upper support, ref. 5100119. Press down the crystal, turn 90° and press once more.</p>

6. Speedmaster Chronograph



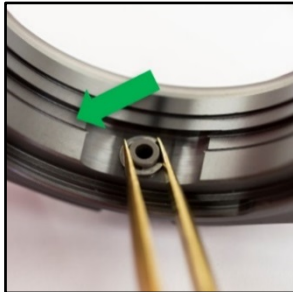

Please note that the Speedmaster Chronograph (38 mm) has a ceramic ring inserted and glued into the bezel.

Do not wash the bezel in the ultrasonic cleaning machine. There is a risk that it will come out. If it does, the ceramic ring cannot be glued back onto the bezel.

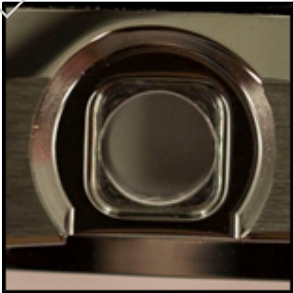
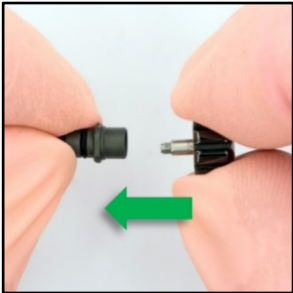

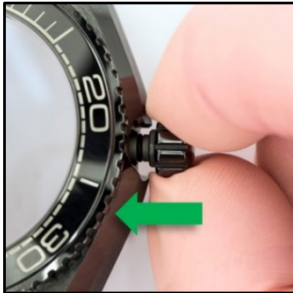

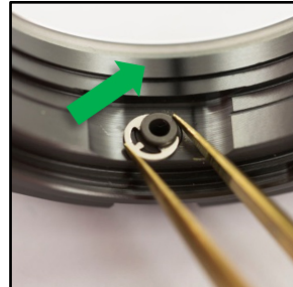


7. Seamaster Deep Black

7.1. Removing the crown tube

1	2	3	
			
The crown tube is held in place by a c-clip	Remove the c-clip	Remove the crown tube	

7.2. Fitting the crown tube

1	2	3	
			
<p>The crown tube is positioned thanks to a square form.</p>	<p>Place the crown onto the tube and screw it down completely.</p>	<p>Insert the tube with screwed-down crown into its place in the case with the OMEGA sign legible when the watch is in the dial up position. If positioning is OK, continue to step 4. If the positioning is KO, turn the square 90° until it is within OK tolerances.</p>	
4			
			
<p>Fit the c-clip to fix the crown tube in place.</p>			

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<p>5.</p> <p>Here you find the correct OK tolerances for the position of the crown. (see above)</p>	<p>6.</p> <p>The following positions of the crown are not correct KO. (see above)</p>
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7.3. New Naiad Lock caseback closing system

	<p>Video: New Naiad Lock caseback closing system</p>
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8. History of modifications

CHANGES OF THE DOCUMENT		
Date	Made	Miscellaneous modifications
21.02.2017	breemi	All modifications are highlighted in cyan The document has been adapted at the new layout.