Canon PowerShot G9x Lens cap is stuck repair

How to open the lens cap assembly, clean it en reassemble. no tools required.

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INTRODUCTION

Some times the blades of the built in lens cap get stuck so they do not close or open fully. This can be caused by dirt or by a "blunt force trauma" to the lens housing or blades.

Step 1 — prepare and disassemble

- 1. switch camera on, lens will extent

- 2. remove battery so lens will not retract automatically

- 3. take the front part of the lens and pull gently but firmly. with a little bit of manipulating the housing will slide off. Be carefull to hold the lens pointed upward so the parts of the lens cap will not fall off.

Step 2 — lens cap anatomy

- 4. The lens cap parts consist out of 3 blades on the top and 3 on the bottom side. The top 2 can be taken off for cleaning. Keep the one with the spring attached in position. the blades on top and bottom are nearly identical. no 3 is with the spring, no2, with big pin, no 1 is with small pin

Step 3 — clean

- 5. Clean the inside of the lens housing and the blades with some cleaning alkohol. Blow dry 6. clean with canned air the inside of the lens if necessarry,

Step 4 — repair dents

- 7. if problem was caused by a dent in the lens housing or blades, put it on a flat hard surface and press with fingers or blut tool from the inside the front of the lens cap in the original form. DO NOT use hammer or plyers.

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Step 5 — assemble the lens cap

- 8. assembled the blades again. no3 is still in place, place no2 with the pin down. the pin slides partly under no 3, then put no 1 on top, pin down. The whole assembly should not stick out.

- DO NOT use any lubricant, oil, grease, WD40 or what so ever.

Step 6 — finishing

- 9. Slide the lens housing back over the lens. Watch the position of the printing on the housing so it slides completely in. 10. Ready, put the battery in ! and test.

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Step 7 — alternatives

- Alternative if blades are damaged beyond repair, remove all 6 blades and use a plastic lens cap, or order with canon 6 new blades, hope you will get them (for free).