



Solve stuck focus of AF-S VR Zoom-Nikkor ED 70-200mm f2.8G IF

Zoom-Nikkor 70-200 Focus stuck

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INTRODUCTION

It is a very common issue the AF-S VR Zoom-Nikkor ED 70-200mm f2.8G IF focus ring stuck at close end. This will show Ifixers how to fix this.

TOOLS:

- Phillips #1 Screwdriver (1)
- Flathead 3/32" or 2.5 mm Screwdriver (1)
- Phillips #00 Screwdriver (1)
- Metal Spudger (1)
- glue or 2-part epoxy resin (1)

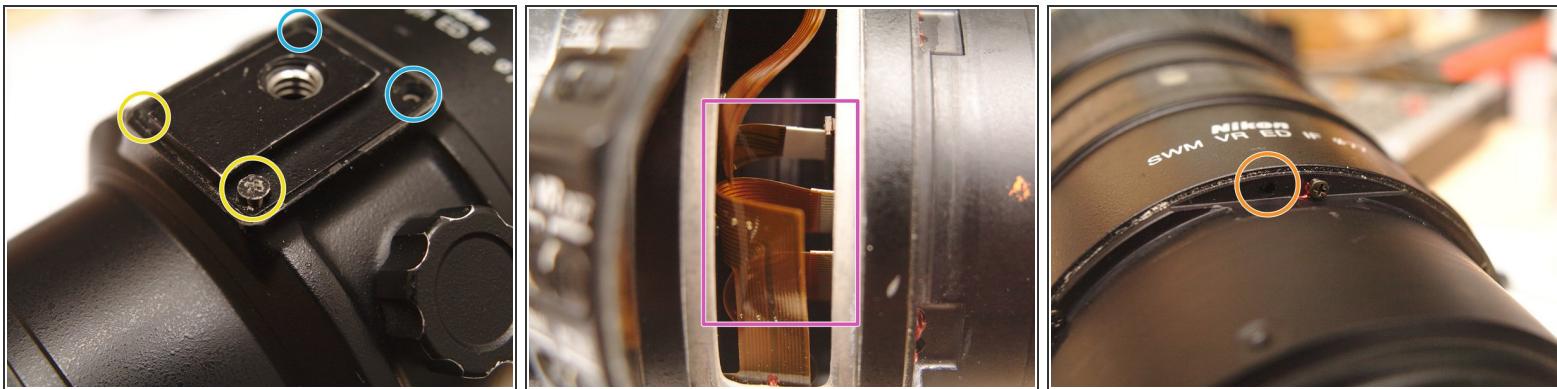
Mid-high viscous

Step 1 — Solve stuck focus of AF-S VR Zoom-Nikkor ED 70-200mm f2.8G IF



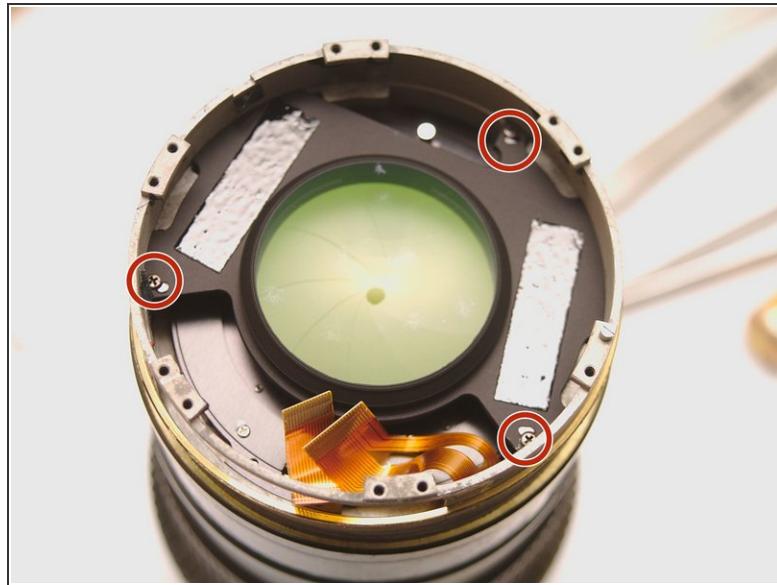
- The lens. Focusing mechanism traps in close-up end, worsens over time.

Step 2 — Separate front and rear group



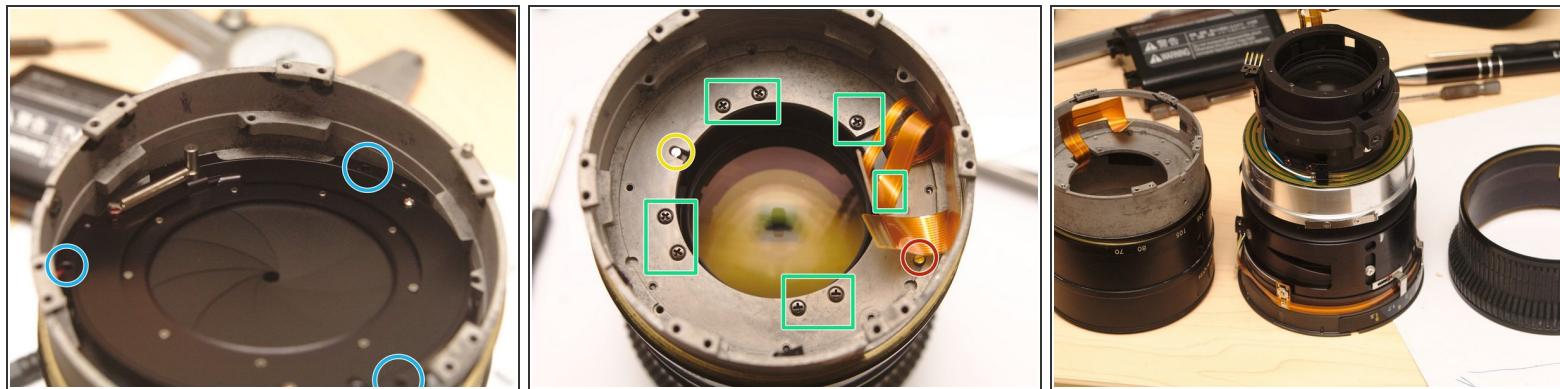
- First, you better download the "AF-S VR Zoom-Nikkor ED 70-200mm f/2.8G IF REPAIR MANUAL". (The attachment)
- Remove Tripod mount (The one can be removed with only hands)
- Remove tripod mount base by remove 4 screws.
 - short
 - long
- Unscrew switch board and disconnect all 3 FPC's
- Remove tripod ring, by removing 3 hidden screws. check the Repair Manual
- Remove 11 screws and separate rear group. There is an empty hole.

Step 3 — Remove 4th Lens Group



- Take the front group. remove zoom rubber ring.
- Peel the tape, and keep if you don't have a replacement.
- Remove 2 screws.
- Remove 3 screws and remove "4th Lens Group"

Step 4 — Remove Zoom Fixed Ring



- Unscrew 3 outer screws and remove Aperture Blade Unit
- ⚠ Do NOT manipulate the Aperture calibration screw! (RED mark)
- ⚠ Do NOT manipulate the whatever calibration screw! (YELLOW mark)
- Remove 8 black screws and lift "Zoom Fixed Ring" and "MF Ring"

Step 5 — Reposition the PCB



- Here is the ISSUE. internal focus ring has contact with Distance readout PCB. The PCB is mounted by double sided tape. This is a design flaw. double sided tape drifts over time, and let the PCB slip out.

Step 6



- More detail. The infinity end is glued using some better glue(dark material), while the close end is NOT.
- The fix is
 - Mark or remember the position BEFORE removing 2 screws and contact brush! but relax, this part is not extremely precise.
 - Lift the PCB. Cleanup double sided tape. Glue the PCB back firmly against the inner edge.

⚠ Use proper glue, like "high viscous super glue" or "2-part epoxy resin". Do NOT use low viscous glue, it will mess up and contaminate the contacts.

Step 7



- Now put it back, following these instructions in reverse order.
- ☒ Screw tighten torque list.
 - Internal M1.6 screws: 0.12N.m.
 - Tripod mount M2.0 screws: 0.2N.m.
 - 2 screws on switch panel: 0.06~0.08N.m (watch out the plastic is very fragile)

Be patient and Good Luck!!!