




MINOLTA MC 85mm f1.7 Lens Disassembly Tutorial Instructions

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MC 85mm f1.7 Lens Disassembly Tutorial

Easy disassembly method for lens cleaning (mold removal)

Difficulty: ★★☆☆☆

Things to prepare

- JIS cross-point precision screwdriver
- Rubber name-ring removal tool
- Kitchen rubber gloves
- Blower or compressed air
- Lens cleaning paper
- Lens cleaning liquid (lens cleaner)

These tutorials originally appeared on a now-defunct Japanese website. A German website dedicated to the Minolta manual focus system had copied the pages and kept them online after the original Japanese site closed up, but the tutorials were written in Japanese.

We've translated them into English and are posting them on the Learn Camera Repair website so that they'll be available to English-speaking users, and to keep them available if the German site ever goes dark. You can see the original Japanese versions on the Minolta SR Site: <http://minolta.eazypix.de/index.html>



Size comparison with the later compact 85mm f2.



Grab the inscribed ring with rubber gloves, remove it counterclockwise, and turn the focusing ring to the closest distance



Remove the three screws holding the filter ring in place, then pull it off.



Grab the front lens unit with rubber gloves and unscrew it counterclockwise.



Turn the lens over and remove the rear cap.



If you remove only 4 long screws from the 8 screws on the lens mount, the lens mount will come off as a unit.
Note! When the aperture ring is lifted, it will come off, but at this time the spring of the click stop will bounce and the tiny bearing will tend to go missing.



Unscrew the rear lens unit counterclockwise with a spanner tool like the one shown in the photo.



Clean with lens cleaner and paper.

First, don't forget to blow off the dust with a blower!. The front and rear lens groups sandwiching the aperture are in a "unit structure" housed in a metal tube. The lenses facing the outsides of this unit are hard coated, so it is okay to clean them, but if you disassemble it, the lenses on the inside are soft and scratch easily.



With the front and rear lens units removed, temporarily fix the lens mount unit with screws.



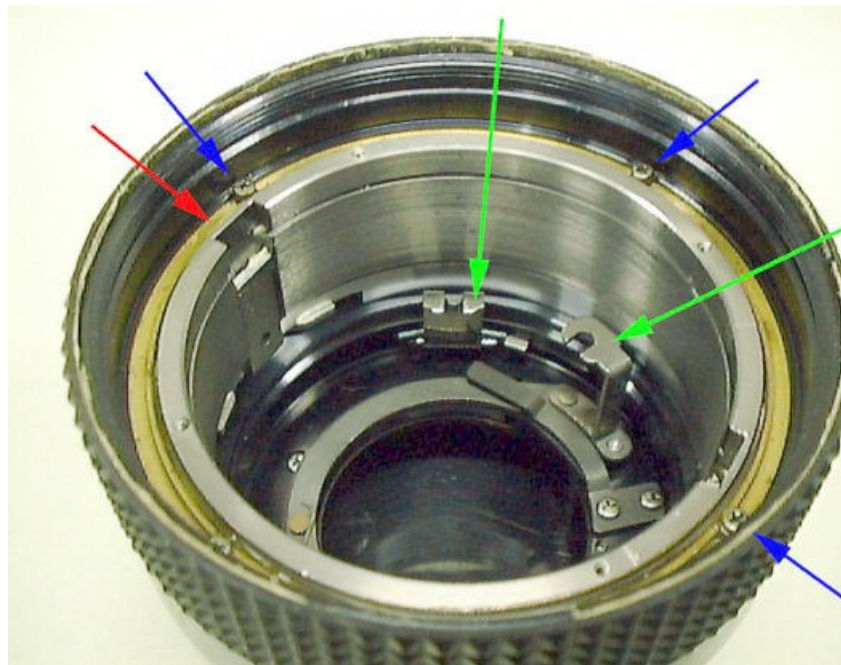
Remove the screws marked with red arrows.



Remove the aperture unit by pulling it upward.



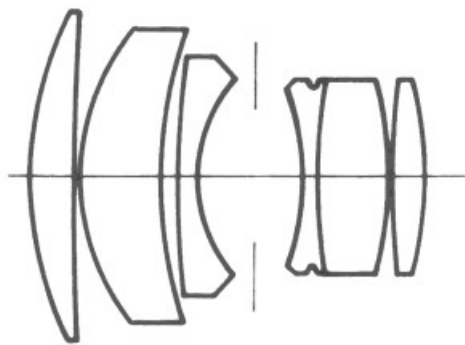
Clean the aperture mechanism with a solvent. The red arrow points to the aperture cam.



The blue arrows point to the infinity adjustment screw of the distance ring.


The red arrow is the keyway of the straight helicoid.

The green arrows point to an automatic aperture interlocking pin and F-number transmission pin holder for open metering.



Optical diagram of the MC 85mm f1.7 lens.

Documents / Resources

<p>MINOLTA MC 85mm f1.7 Lens Disassembly Tutorial</p> <p><small>For download, visit the following website:</small> URL: www.minolta.com</p> <p>Things to prepare</p> <p>• A clean workspace • A clean cloth • A clean container for parts • A clean container for oil • A clean container for dust • A clean container for lint • A clean container for hair • A clean container for skin • A clean container for clothing • A clean container for shoes • A clean container for jewelry • A clean container for accessories</p> <p><small>© 2000 Minolta Co., Ltd. All rights reserved.</small></p> 	<p>MINOLTA MC 85mm f1.7 Lens Disassembly Tutorial [pdf] Instructions MC 85mm f1.7 Lens Disassembly Tutorial, MC 85mm f1.7, Lens Disassembly Tutorial, Disassembly Tutorial, Tutorial</p>
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References

- [The Minolta SR System](#)