

MINOLTA

MD 50mm 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 of economy standard lenses. MD version on the left, older MC version on the right.





Using the name-ring removal tool, loosen the ring by turning counter-clockwise.

Remove the three screws to remove the filter frame cover.



Remove the three screws to remove the filter frame cover.



Turn the lens over and remove the rear lens cap.

If you remove the four screws on the lens mount, the lens mount will come off as a unit.

The red arrow mark shows that plastic parts have been incorporated with the diaphragm cam. From this era, it has been moved to the diaphragm ring and directly attached. A revolutionary structural change.

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.



Remove the three screws and remove the lens unit.

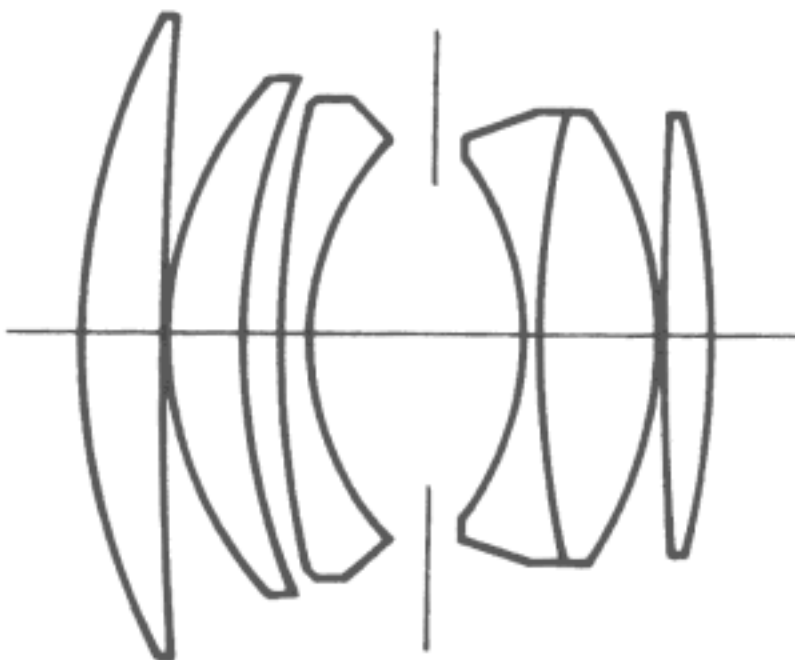




Pull out the rear lens unit.

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 can be scratched easily.



Optical diagram of the MD 50mm f1.7 lens.

