

Tools needed:

- ?? Phillips head screwdriver
- ?? Small flat-head screwdriver
- ?? 99% IPA
- ?? Q-tips
- ?? Conductive lubricant
- Vacuum and or compressed air



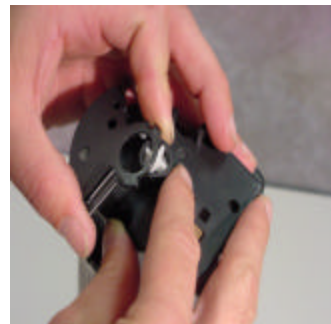
1. Remove the Magnetic Developer Roller shutter cover retaining bolt by pulling it off or gently prying it off with a small flat head screwdriver.



2. Now remove the shutter lock-tab located on the opposite side of the cartridge by gently prying it up with a small flat-head screwdriver. Take care not to loose or damage this component as it holds the shutter in the closed position and serves to protect the Magnetic Developer Roller from Damage



3. Now it is time to remove the Magnetic Developer Roller Shutter from the cartridge body. With your fingers or a small flat-head screwdriver pry the circular shaped piece of plastic over the helical drive gear cover. Be careful, as this piece is very fragile and easy to disfigure or break. Once this has been accomplished you will notice that the cover is still attached to the main cartridge body via a thin piece of Polyethylene. DO NOT REMOVE IT!!!



4. Remove the two screws that hold the side plate on. After removal of the side cap inspect it for damage and clean all contacts with 99% Isopropyl Alcohol and set it aside.



5. Located on the opposite side of the cartridge is another side plate that is also held in place by two screws. Remove both screws and then pull the side plate off. This side plate also contains a number of electrical contacts. Clean them the same way as in the previous step.



Here is a side by side comparison of the different side plates. The numerous contacts help to regulate voltage throughout the color cartridge.



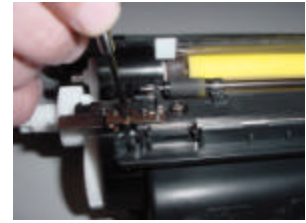
6. Grasp the magnetic roller by the shaft at the toner fill cap side of the cartridge. Before removing the roller from the cartridge it will be necessary to remove the copper contact spring as well as the Magnetic Developer Roller drive gear.



7. Gently pulling up and over pull the Magnetic Developer Roller towards the toner fill cap side of the cartridge. Upon removal of the mag sleeve you will notice that the magnet is missing from the roller, all of the color cartridges use the electrostatic development system similar to the Lexmark 4019,39,49 series of toner cartridges. Once the roller is removed clean it with dry filtered compressed air and wrap it in a lint free cloth for protection.



8. Remove the Dr. Blade grounding contacts by using a small jewelers screwdriver. Do not remove the copper contacts from the blade. Next remove the larger silver screws that hold the rest of the assembly together. Be careful when you are removing the Dr.Blade as it is composed of four separate components.



9. After removing the screws pry the Dr.Blade up with a small flat-head screwdriver, again please exercise caution as some of the components that make up the Dr.Blade assembly are very fragile and is somewhat difficult to remove them all at once. You may want to remove them one component at a time to be safe.



These are the components that make up the OEM Dr. Blade. To re-install the blade it is best to rebuild it piece by piece. Starting at the top of the photo is the order that the components should be placed back onto the cartridge to complete the Dr. Blade assembly.



Here is a complete photo of the correctly assembled Dr. Blade assembly



10. Inspect the mag roller sealing blade as well as the mag roller felts for damage before re-assembly. Assuming that you are not going to split the cartridge you may fill the toner hopper through the still vacant Magnetic Roller slot. After it is filled add the Dr.Blade and re-assemble in reverse order



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