

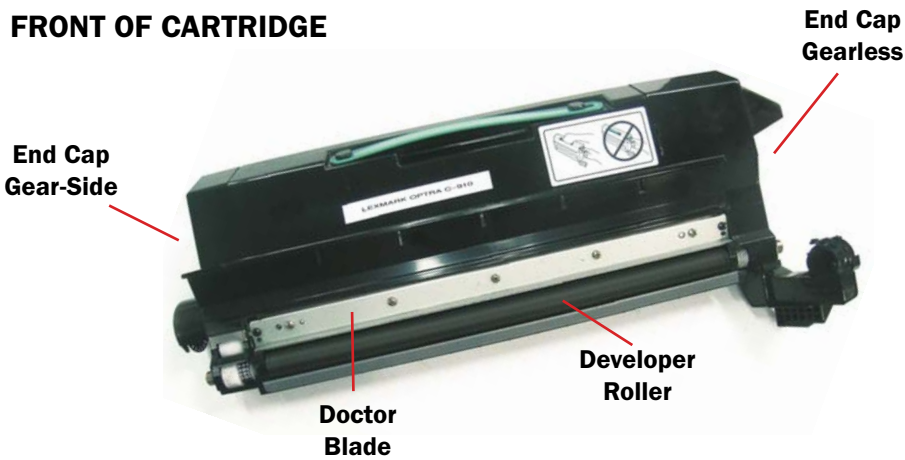
# LEXMARK OPTRA C 910 CARTRIDGE REMANUFACTURING INSTRUCTIONS



**LEXMARK OPTRA C 910  
COLOR LASER PRINTER**

## LEXMARK OPTRA C 910 TONER CARTRIDGE

**FRONT OF CARTRIDGE**



**REAR VIEW**



**BOTTOM VIEW**



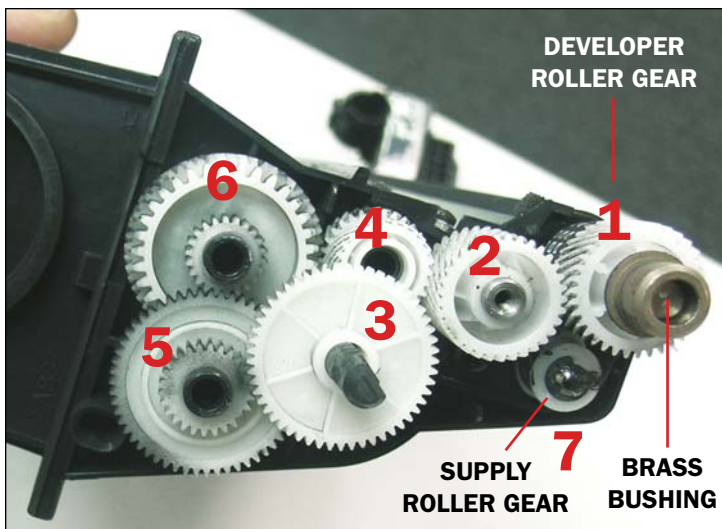


**REMOVING THE GEAR-SIDE END CAP**

1. First, start by removing the two screws that hold the gear-side end cap in place.



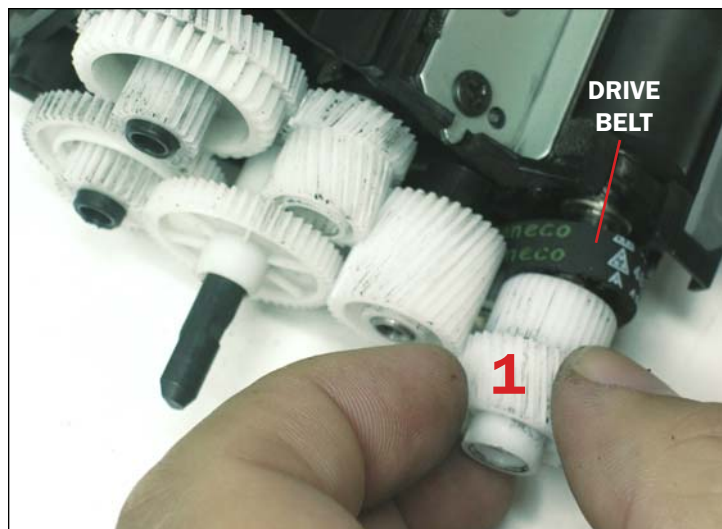
2. Now separate the end cap from the cartridge.



**REMOVING THE GEARS**

3. Remove the gears one at a time in numbered order shown. You will need to install them back in reverse order during reassembly (see Step 40).

First, slide out the **Brass Bushing** that is holding the **Developer Roller Gear (#1)** in place.



**REMOVING GEAR # 1 - DEVELOPER ROLLER GEAR**

4. Remove the **Developer Roller Gear (#1)** as shown. This will loosen the **Drive Belt** that is attached to the **Developer Roller Gear** and the **Supply Roller Gear** below it.



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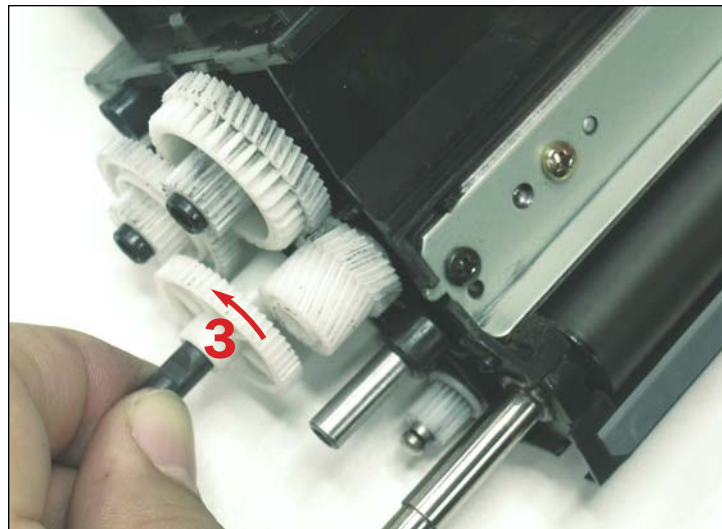
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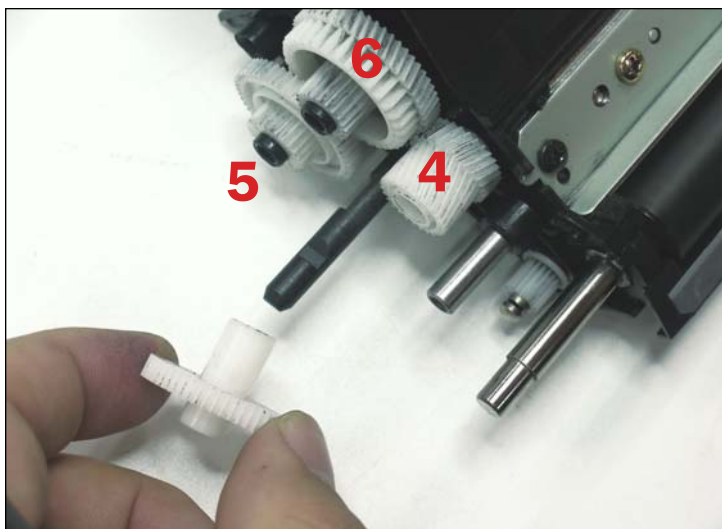
**REMOVING THE SECOND GEAR**

5. Remove the **Drive Belt** and **Second Gear** as shown.



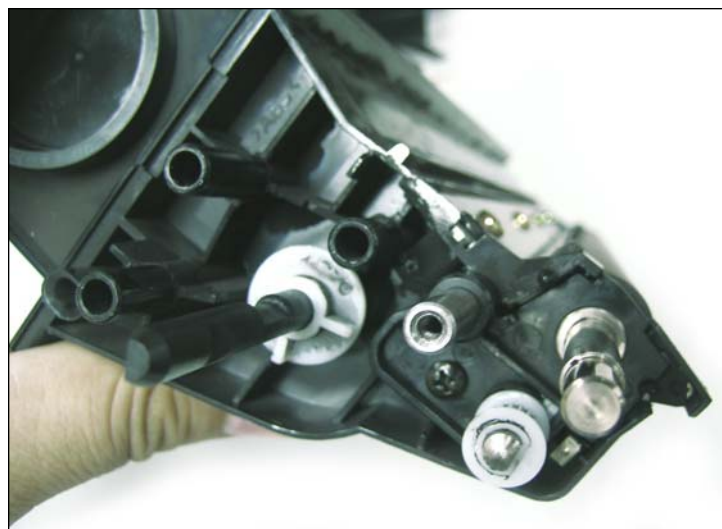
**REMOVING THE THIRD (OUTER) GEAR**

6. First, turn the outer gear counter-clockwise until it unlocks.



**REMOVING THE FOURTH, FIFTH & SIXTH GEARS**

7. After removing the outer gear, remove the following gears as well.



**REMOVING GEAR #7 - SUPPLY ROLLER GEAR**

8. Now we are ready to remove the **Supply Roller Gear** and its housing.

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9. First, remove the “C” Clip that holds the **Supply Roller Gear** in its place.



10. Then, slide the gear out.



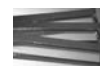
10. Using a small flat-head screwdriver, remove the **Supply Roller Gear Washer** shown.



**REMOVING THE SUPPLY ROLLER GEAR HOUSING**

12. Remove the screw that holds the gear housing in place.

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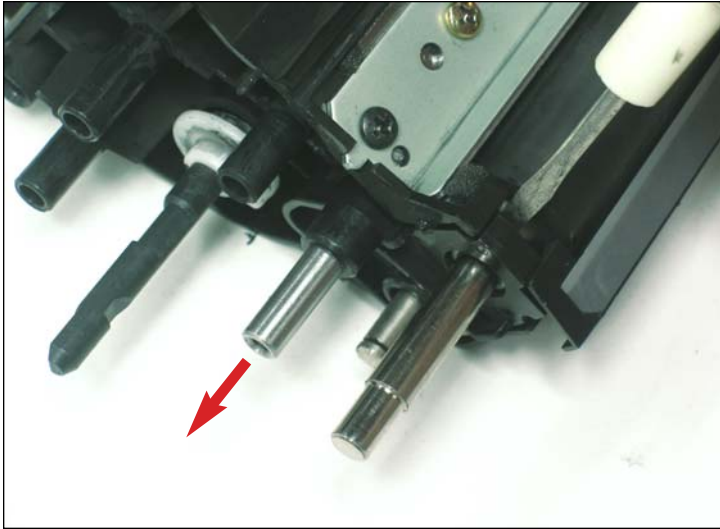
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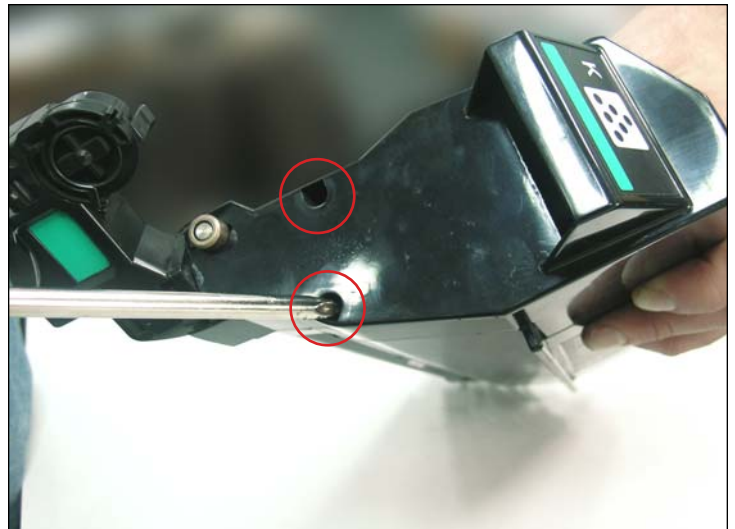
13. Slide out the gear housing shown.



14. Gear housing removed.



15. Make sure all gear-side components are accounted for before continuing.



**SEPARATING THE END CAP (GEARLESS)**

16. Remove the two screws shown that hold the End Cap (gearless) in place.

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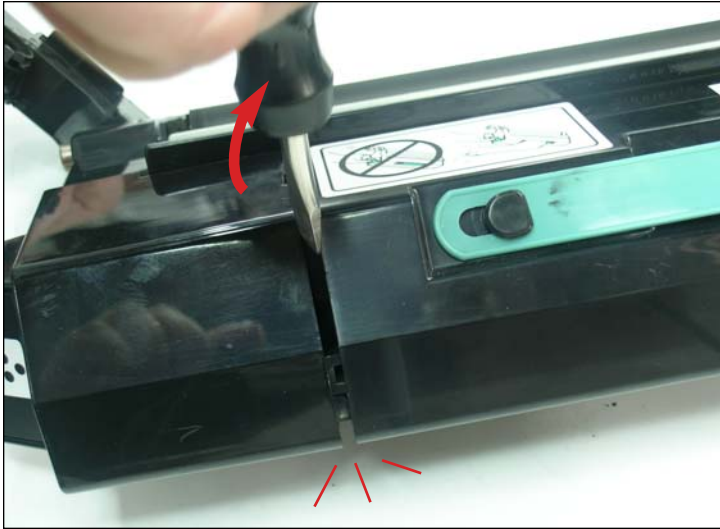
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17. Pry open the end cap using a flat-head screwdriver as shown.



18. End cap separated from cartridge shown.



**REMOVING THE ROLLER SUPPORT PLATE**

19. First, slide off the gear and brass bushing from the drive shaft as shown.



20. Developer roller gear and brass bushing removed.

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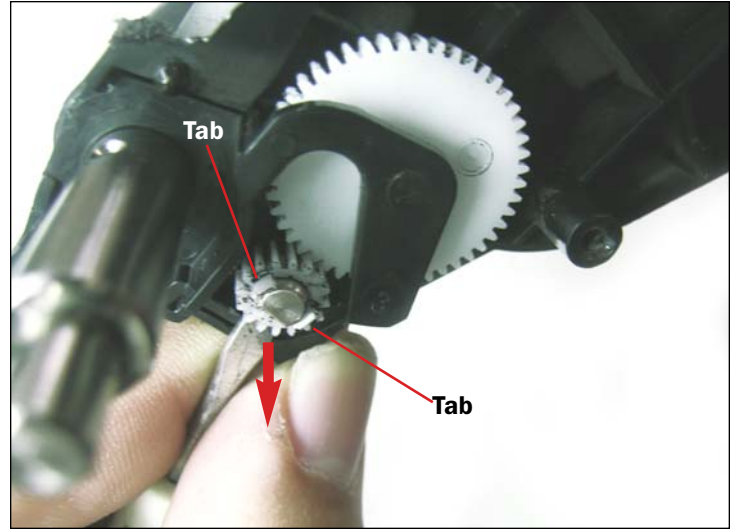
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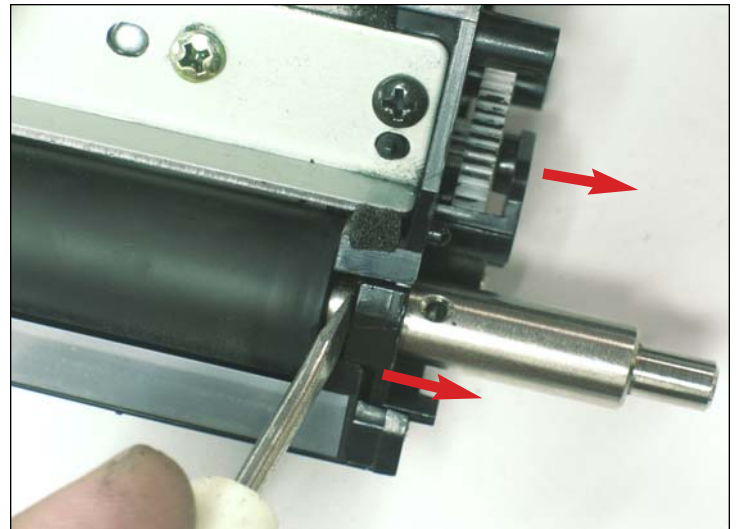
21. Then, using a pair of needle-nose pliers, pull out the drive pin as shown.



22. Locate the small gear just below the developer roller drive shaft. Note that this gear is locked by its two small inner security tabs. Using a small, flat-head screwdriver, gently pry out the gear so the tabs unlock. Be careful not to break the tabs.

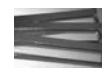


23. With the small gear successfully removed, you are now ready to remove the roller support plate and the larger gear that is held in place.



24. Using a small, flat-head screwdriver, push out the roller support plate, then slide it out with your fingers.

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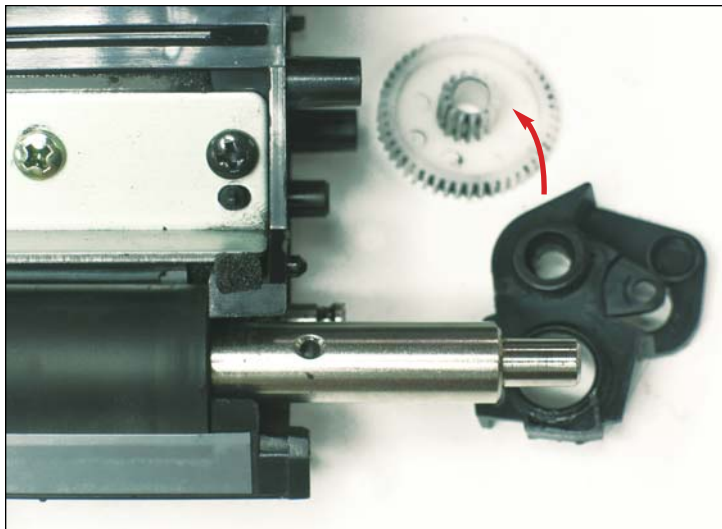
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25. Once the roller support plate is removed the larger gear shown will come off with it.



26. Make sure all end cap components are accounted for before continuing.



**REMOVING THE DEVELOPER ROLLER**

27. Lift the developer roller out from one side to the next.



**REMOVING THE DOCTOR BLADE**

28. Remove the two screws on shown that hold the doctor blade in place.

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29. Using a flathead screwdriver, lift the doctor blade far enough to grasp with your hands.



30. Lift the doctor blade out from one side, then to the next.



**REMOVING THE WASTE TONER HOSE & SPRING GEAR**  
31. First, locate the interlocked gear next to the toner fill plug on the gear-side of the toner cartridge.



32. Turn the gear tab clockwise as shown to unlock it.

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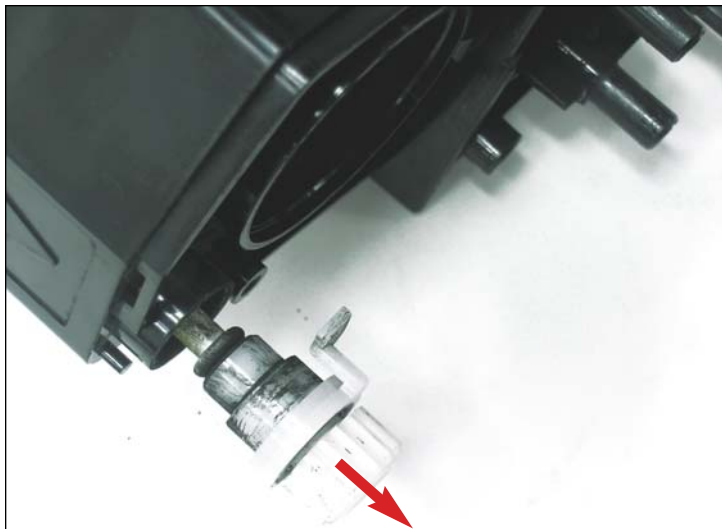
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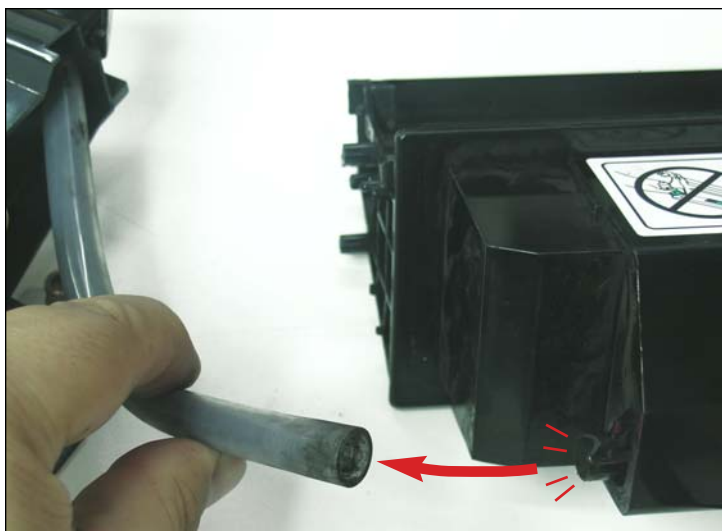
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33. Begin pulling the gear out as shown.



34. **NOTE:** The gear is attached to a long spring that runs through the toner hopper and hose attachment up to the gearless end cap. The spring should come out completely when pulled.



35. Pull the hose attachment from the hopper socket as shown.



**REMOVING THE TONER FILL PLUG**

36. Using a flathead screwdriver, pry open the toner fill plug as shown.

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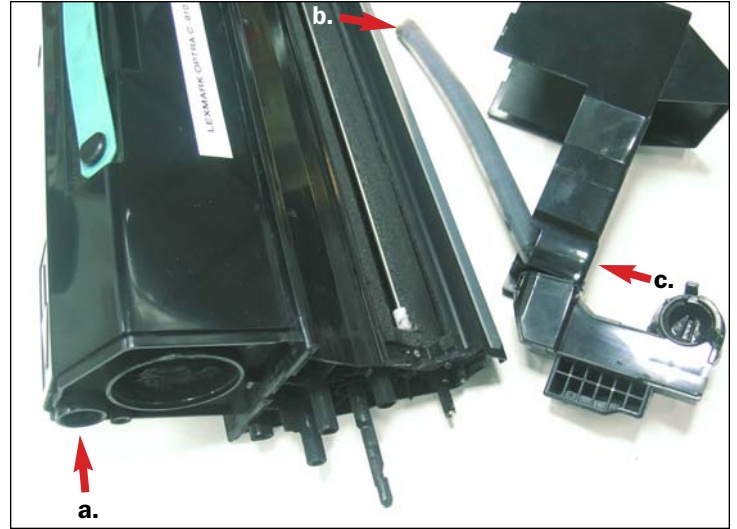
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37. Toner fill plug removed. You are now ready to clean the toner cartridge.



**CLEANING THE WASTE TONER FROM THE CARTRIDGE**

38. Use compressed air to clean away the waste toner. Be sure to clean the **spring and gear entry** (a) and the **hose attachment entries** (b, c, and d [step 39 photo]) thoroughly.



39. Once the waste toner has been removed, you can begin cleaning the **toner hopper** and the **developer roller opening**.



40. Once the cartridge is cleaned, you can reassemble the cartridge by following the assembly steps in reverse and finally refilling the toner cartridge.

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