

**Samsung® ML-3560/3561/4050/4055/4550/4551/4555
Xerox® Phaser® 3500/3600
Dell® 5330**



SSS™ 1061

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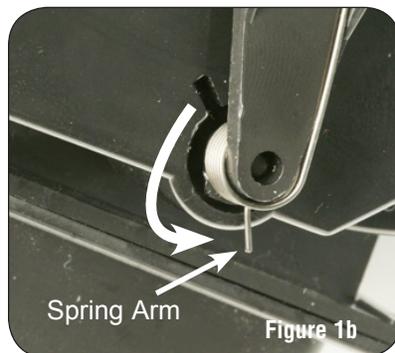
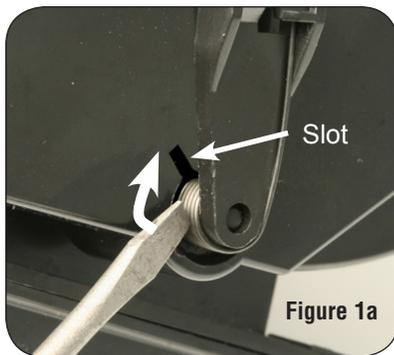
TOOLS & SUPPLIES

- Hook Tool (HTOOL)
- Lint-Free Cleaning Cloth (LFCCLOTH)
- Curved Scraper Blade Tool (CSBTOOL)
- Cotton-Tipped Swab (QTIP)
- Conductive Lubricant (CONCLUBE)
- Phillips Screwdriver
- Dry, Filtered, Compressed Air for Cleaning
- Small Slotted Screwdriver



SEPARATING THE CARTRIDGE

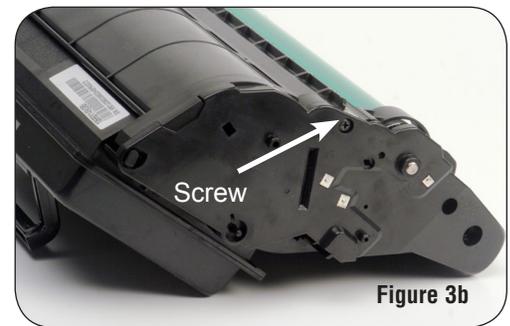
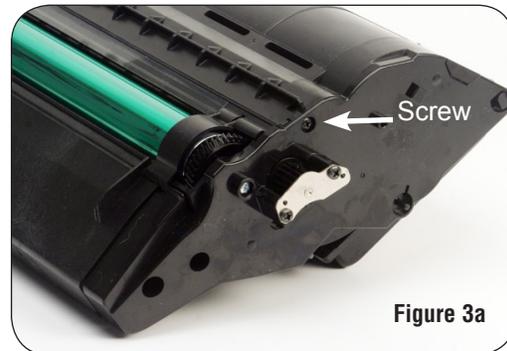
1. Using a hook tool or a small slotted screwdriver, rotate the tension spring on the drum shutter so that the shutter arm can be pulled out away from the cartridge, as shown in Figure 1a and 1b. The spring arm slides through the slot in the cartridge as shown in Figure 1b. Repeat this step for both sides and remove the drum shutter.



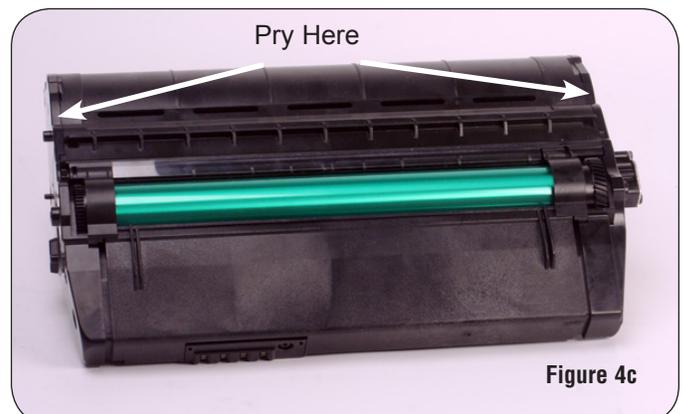
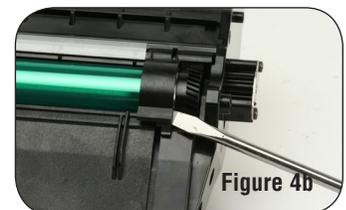
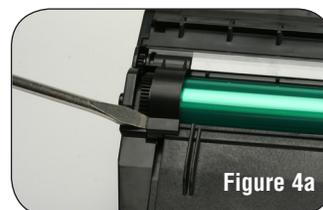
2. Place the cartridge on your work surface with the top of the cartridge face down, and the OPC facing up, as shown in Figure 2.



3. Remove the screw on each side of the cartridge that holds the bottom cover in place, as shown in Figures 3a and 3b.



4. Use a slotted screwdriver to pry the bottom cover up by first prying at the part that covers the drum on both sides, as shown in Figure 4a and 4b. Next pry at the sides of the bottom cover, as shown in Figure 4c.

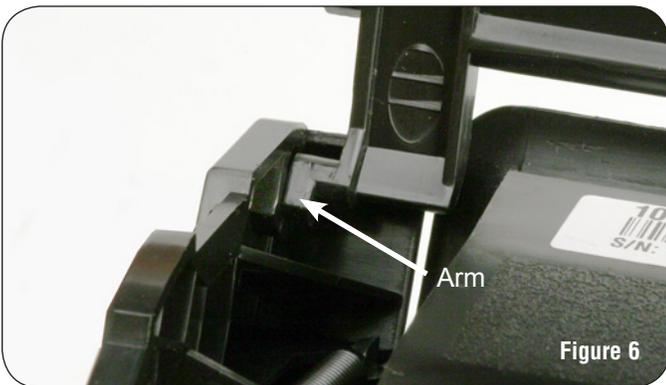


SEPARATING THE CARTRIDGE

5. Once the bottom cover has been pried loose, lift the cover into the position shown in Figure 5.



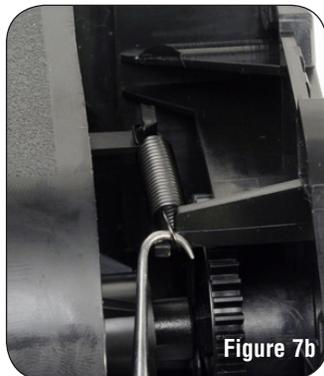
6. Remove the bottom cover by sliding the arms of the bottom cover through the end plates of the cartridge, as shown in Figure 6.



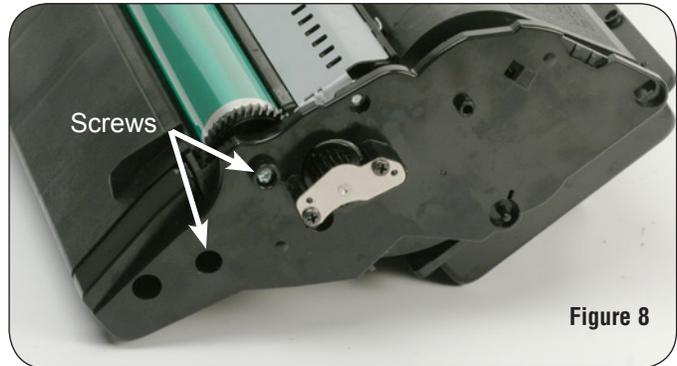
7. Using a hook tool, remove the springs that connect the toner hopper to the contact and drive side end plates, as shown in Figure 7a and 7b.



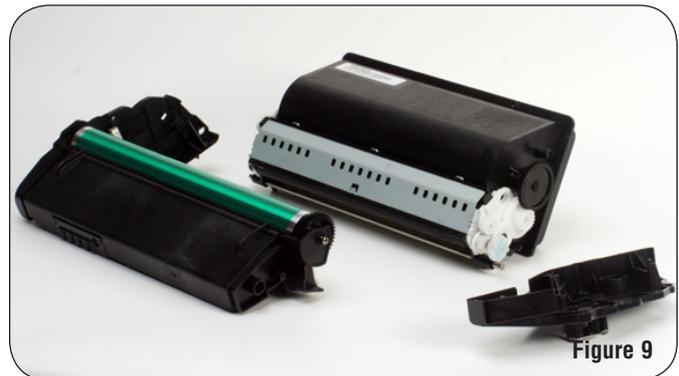
Note: Do not over stretch the springs when removing them.



8. Remove the drum shaft screw and the waste bin screw on the drive side end plate, as shown in Figure 8.



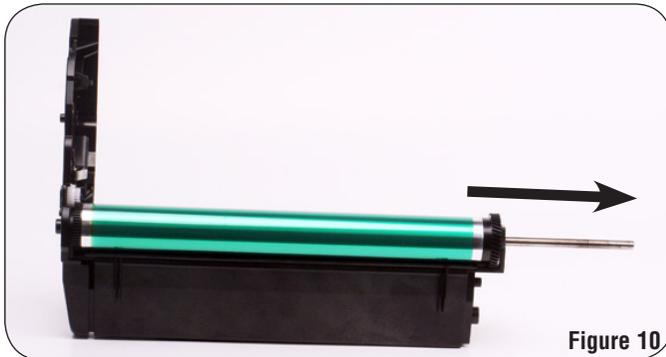
9. Once the two screws have been removed from the drive side end plate, the cartridge is free to come apart into three pieces (the waste section, toner hopper section and drive-side end plate), as shown in Figure 9.



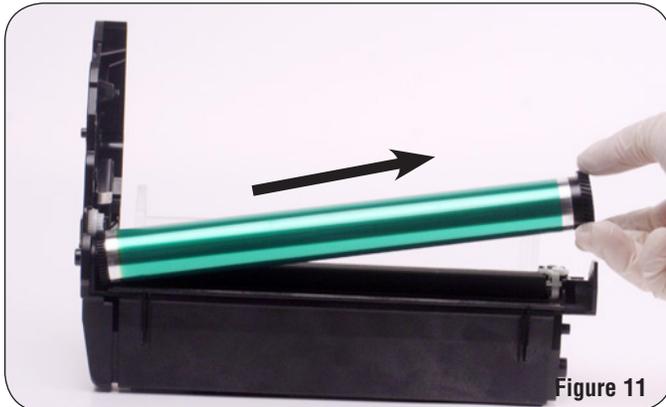


DISASSEMBLING THE WASTE SECTION

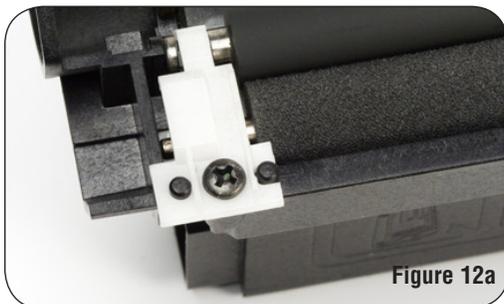
1. Position the waste section on your work surface and remove the drum shaft by sliding it away from the contact end plate, as shown in Figure 10.



2. Once the drum axle after has been removed, the drum can be removed, as shown in Figure 11.



3. Remove the two screws holding in the PCR and PCR cleaning felt assembly, as shown in Figures 12a and 12b.



4. Lift the



PCR cleaning felt assembly from the waste section.

5. Remove the two screws on each end of the wiper blade, as shown in Figures 13. After removing the screws, then remove the wiper blade.



6. Dump remaining toner from the waste section and clean using dry filtered compressed air, as shown in Figure 14.





REASSEMBLING THE WASTE SECTION

1. Examine the felts and foams for damage. Using a curved scraper tool, fluff the felt, as shown in Figure 15.



Figure 15

2. Dip the working edge of the wiper blade in qualified toner before installing in the waste section.
3. Secure the wiper blade to the waste section, using two screws, as shown in Figures 16a and 16b.



Figure 16

4. Use dry, filtered compressed air to clean any loose debris from the PCR and PCR cleaning felt. A lint free cloth may be used to clean the PCR if needed. Also, be sure to clean the PCR contact on the contact side end plate using a Q-tip or lint free foam swab and add conductive lubricant if needed.

5. Secure the PCR and PCR cleaning felt assembly to the waste section using two screws, as shown in Figures 17a and 17b.

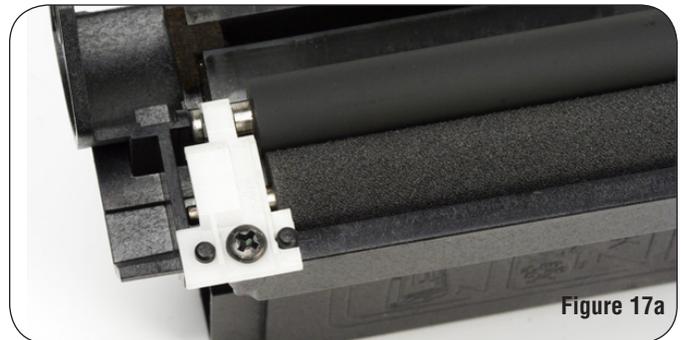


Figure 17a



Figure 17b

6. Use a lint-free swab to apply a generous amount of conductive lubricant to the inside diameter of the drum drive gear (Figure 18a) and place the drum into the waste bin as shown in Figure 18b.

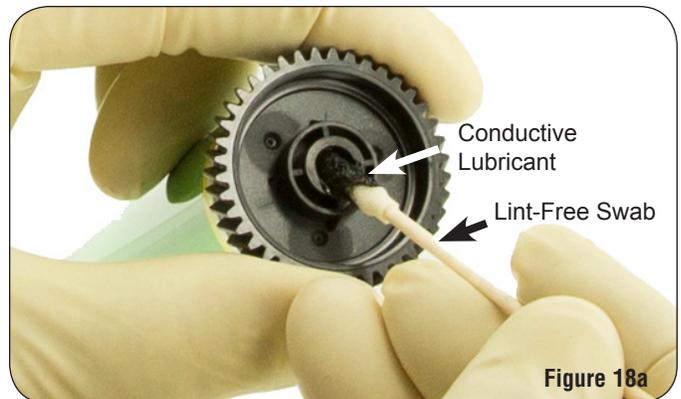


Figure 18a

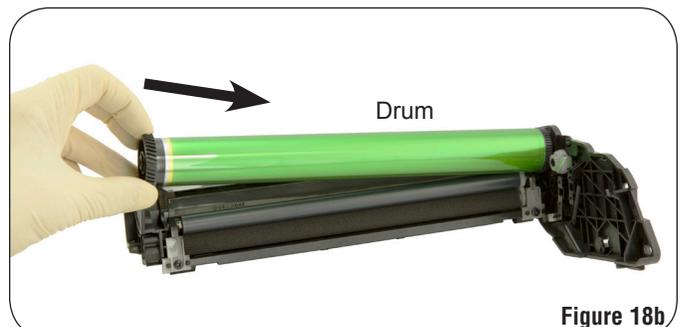
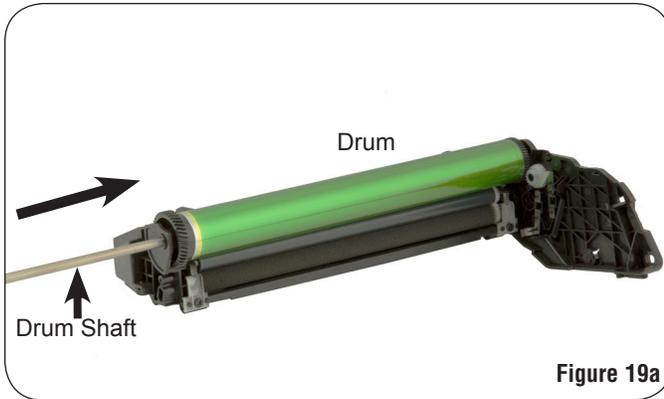
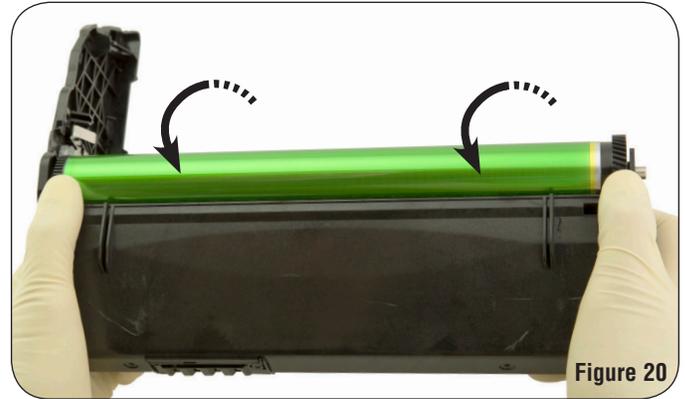


Figure 18b

7. Insert the non-threaded end of the drum shaft into the drive side of the waste bin and into the drum drive gear (Figure 19a). Continue inserting the drum shaft through the drum and contact side end plate, stopping when the non-threaded end of the shaft is flush with the molded feature on the contact side end plate as shown in Figure 19b.



8. Rotate the drum in the direction shown in Figure 20 to lubricate the drum and prevent wiper blade flips.



Note: Use a lint-free cloth dampened with 91-99% isopropyl alcohol to remove any residual lubricant from the end of the drum shaft and end plate.

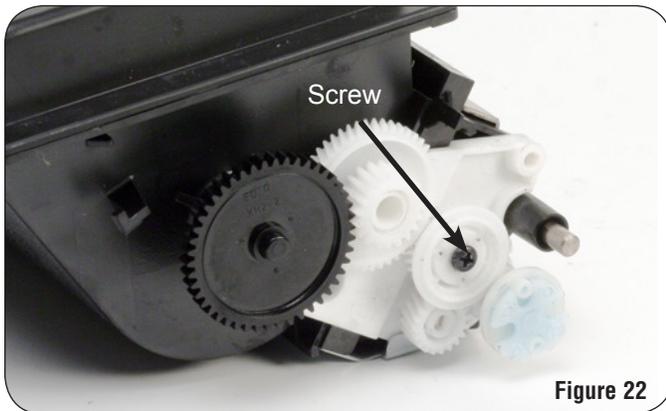


DISASSEMBLING THE TONER HOPPER SECTION

1. Place the toner hopper section on your work surface and remove the hopper support shaft from the toner hopper section as shown in Figure 21.



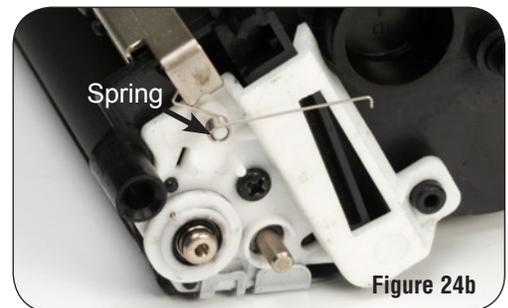
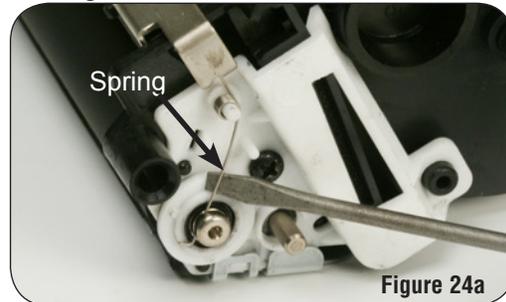
2. Note the position of the gears on the drive side of the toner hopper section. Then remove the screw holding in one of the gears as shown in Figure 22.



3. Remove all the gears and the developer roller washer from the drive side of the toner hopper section.
4. Using a small slotted screw driver, remove the plastic clip on the contact side of the toner hopper section holding the developer roller/doctor blade contact spring in place, as shown in Figure 23.



5. Remove the developer roller/doctor blade contact spring by unhooking it from the developer roller shaft and sliding it off its center shaft, as shown in Figures 24a and 24b.



6. Remove the developer roller washer, as shown in Figure 25.



7. Remove the screw from the contact side developer roller axle bearing, as shown in Figure 26.



DISASSEMBLING THE TONER HOPPER SECTION

8. Position the toner hopper upside down on your work surface. Using a small slotted screw driver pry on each end and the center of the toner hopper bottom plate, as shown in Figures 27a, 27b and 27c.

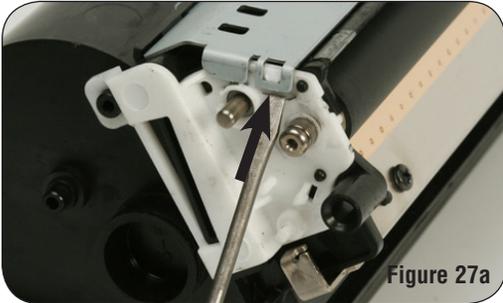


Figure 27a

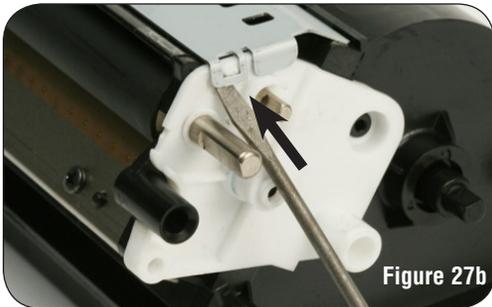


Figure 27b



Figure 27c

9. Once the toner hopper bottom plate is loose, remove the plate by sliding it toward you (away from the toner hopper), as shown in Figure 28.



Figure 28

10. Remove the drive and contact side developer roller axle bearings, as shown in Figures 29a and 29b.

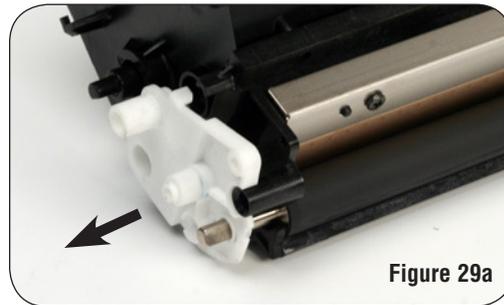


Figure 29a

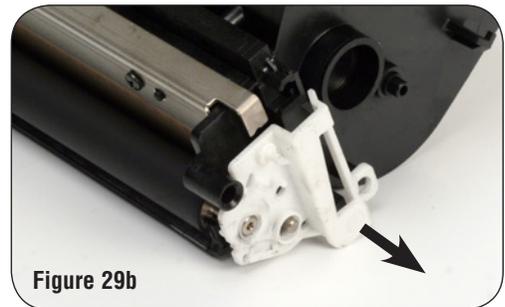


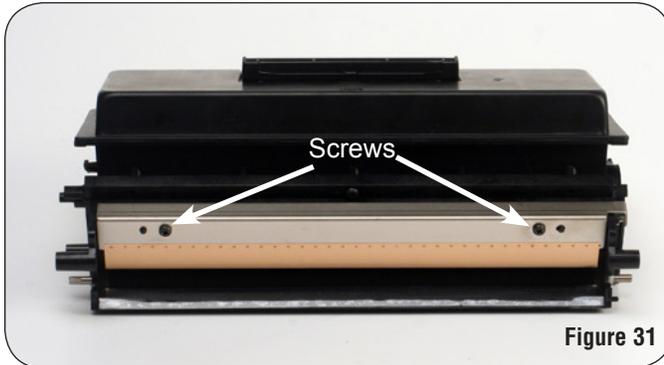
Figure 29b

11. Note the location of the keyed end of the developer roller before removing it. Remove the developer roller, as shown in Figure 30. Clean the developer roller using dry filtered compressed air and wipe from the center toward the edges with a lint-free cloth.

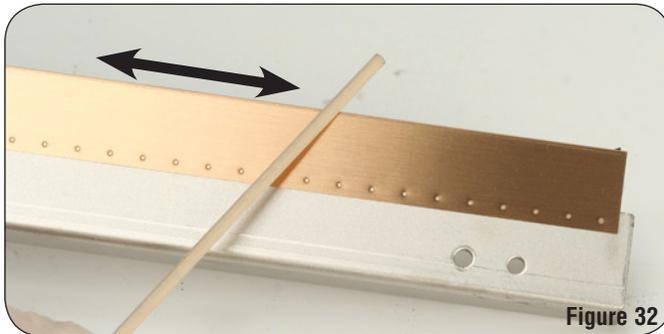


Figure 30

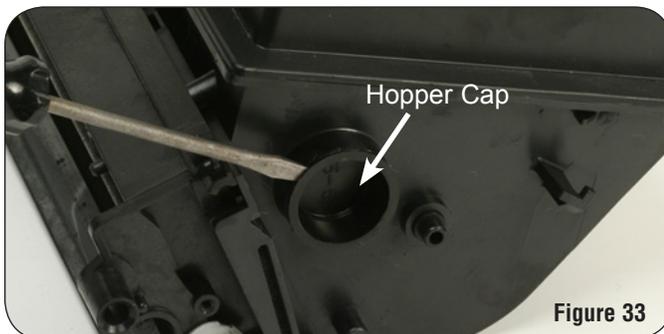
12. Remove the two screws holding in the doctor blade as shown in Figures 31. Then, remove the doctor blade.



13. Clean the doctor blade using dry filtered compressed air and wipe the working edge of the doctor blade with a lint free cloth. Use the wooden end of a Q-tip along the working edge of the doctor blade to remove any build up, as shown in Figure 32.



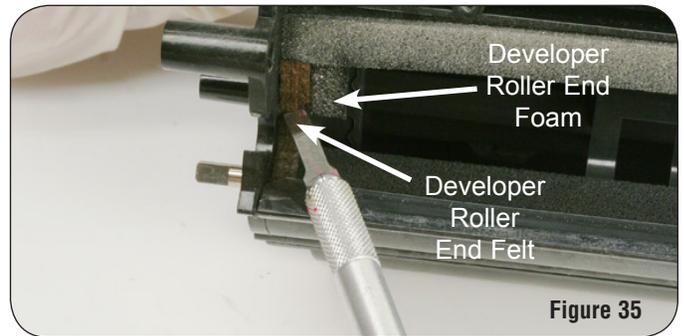
14. Remove the hopper cap, using a small slotted screw driver, as shown in Figure 33.



15. Dump the remaining toner from the toner hopper section and clean using dry filtered compressed air, as shown in Figure 34.



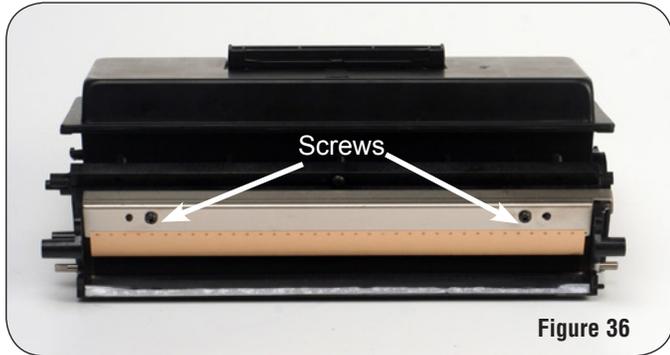
16. Fluff the developer roller end felts using a felt/foam scraper tool or small slotted screw driver, as shown in Figure 35.





REASSEMBLING THE TONER HOPPER SECTION

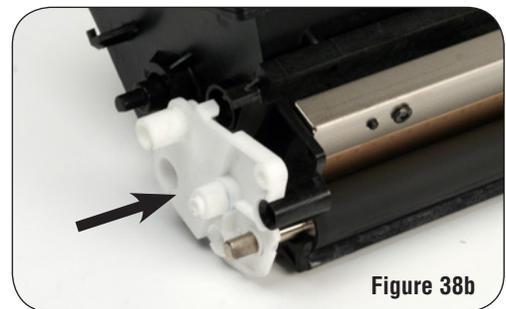
1. Install the doctor blade, using two screws, as shown in Figures 36.



2. Install the developer roller, as shown in Figure 37. Be sure to install the developer roller with the keyed end on the drive side of the toner hopper section.



3. Install the drive and contact side axle bearings, as shown in Figures 38a and 38b.



4. Install the toner hopper bottom plate by sliding the plate tabs into the appropriate slots on the toner hopper section and snap the plate into place as shown in Figure 39.



5. Install a screw into the contact side axle bearing, as shown in Figure 40.



Figure 40

6. Install the developer roller washer on the contact side of the hopper, as shown in Figure 41.



Figure 41

7. Install the developer roller/doctor blade contact spring by rotating the spring arm, as shown in Figure 42a. Also snap in the plastic clip that holds the contact spring in place, as shown in Figure 42b.

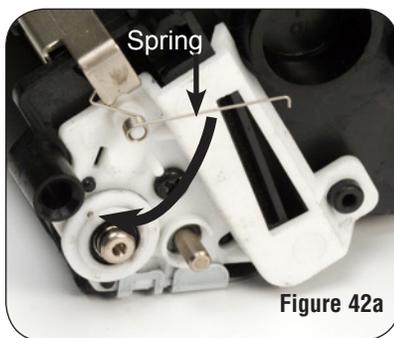


Figure 42a

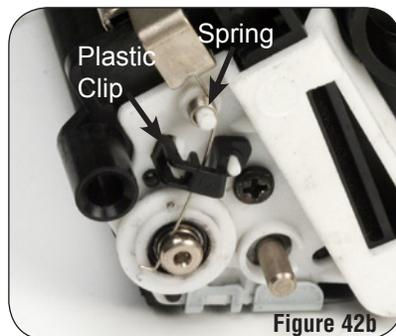


Figure 42b

8. Install the appropriate amount of toner into the cartridge and install the hopper cap, as shown in Figure 43. It is best to install the toner into the toner hopper before installing the drive side gears to prevent from losing any of the gears.

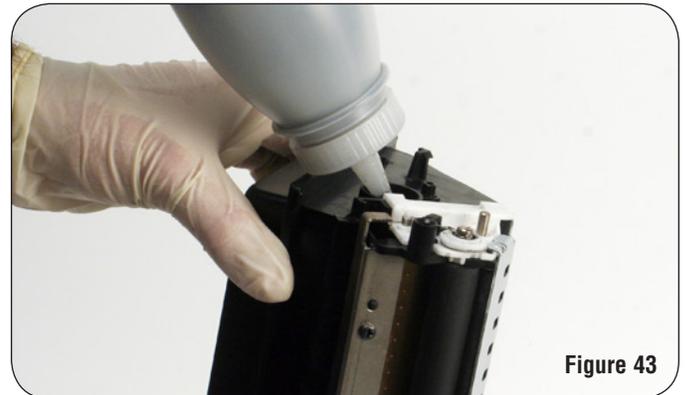


Figure 43

9. Install the developer roller washer and the gears on the drive side of the toner hopper in reverse order of when they were removed. Install a screw into the gear on the drive side of the toner hopper, as shown in Figure 44.

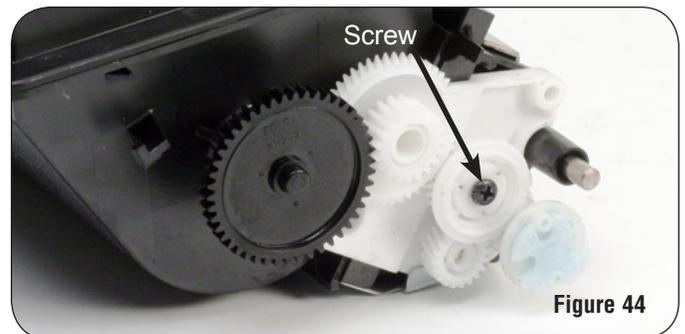


Figure 44

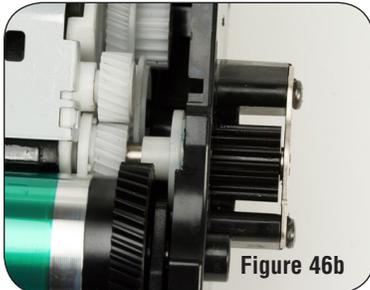
10. Install the hopper support shaft into the toner hopper section, as shown in Figure 45.



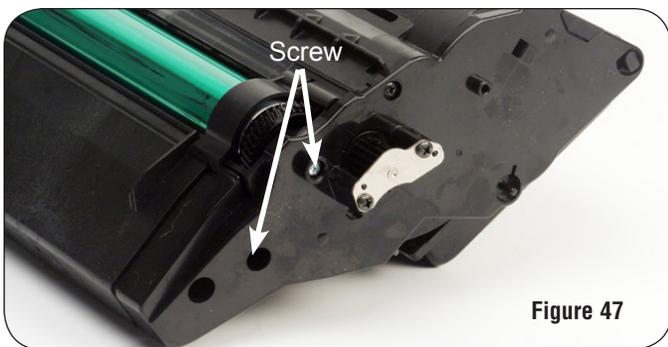
Figure 45

REASSEMBLING THE CARTRIDGE

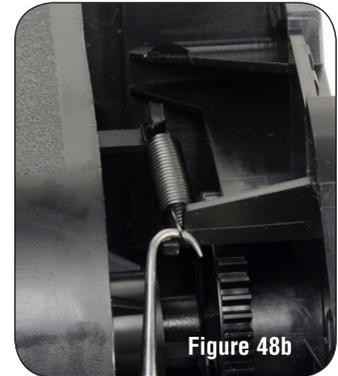
1. Before connecting the toner hopper section to the waste section, be sure to inspect the contacts on the contact side end plate to make sure that they are free of any toner and debris and that they have a small amount of conductive lubricant.
2. Place the cartridge upside down on your work surface. Line the toner hopper section up with the contact side end plate that is attached to the waste section. Then install the drive side end plate, as shown in Figure 46a. Make sure that the gears align properly, as shown in Figure 46b.



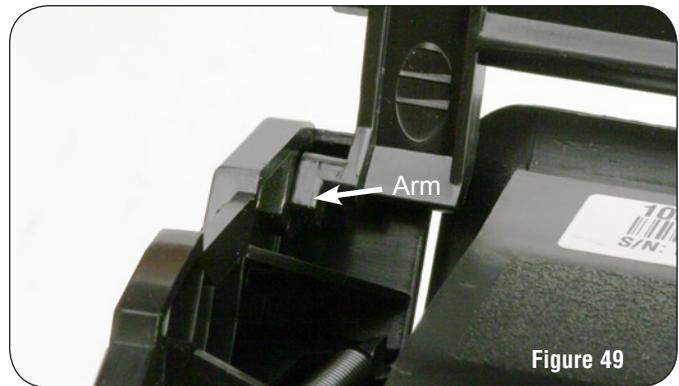
3. Secure the drive side end plate to the waste section by installing two screws, as shown in Figure 47.



4. Using a hook tool install the springs that connect the toner hopper section to the end plates, as shown in Figure 48a and 48b. Be sure not to over stretch the springs.



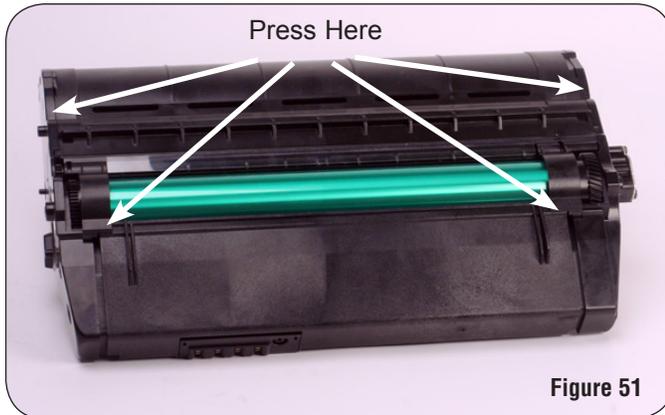
5. Insert the cartridge bottom cover arms into the holes in each end plate, as shown in Figure 49.



6. Rotate the cartridge bottom cover down, as shown in Figure 50.



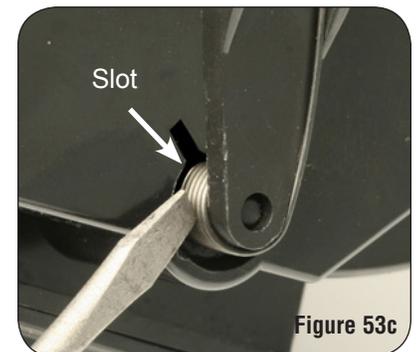
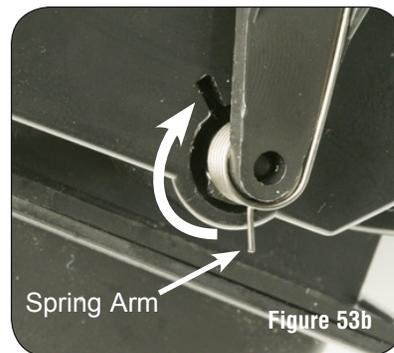
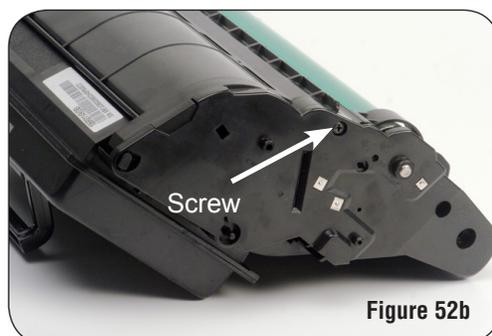
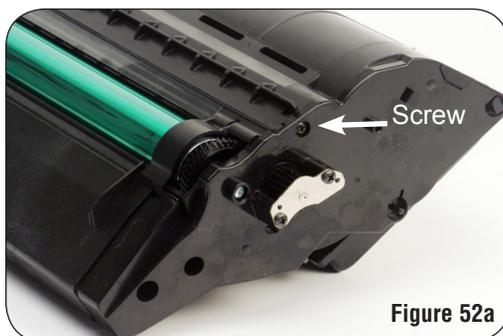
7. Press down on the bottom cover in the four locations until fully installed as shown in Figure 51.



9. Align the drum shutter, as shown in Figure 53a. Install the drum shutter by using a small slotted screw driver or hook tool to rotate the tension spring on each side of the drum shutter so that the arms will slide completely onto its center shaft, as shown in Figure 53b and 53c.



8. Install the screw in each end plate that holds the cartridge bottom cover in as shown in Figures 52a and 52b.



Use of Compressed Air

As of April 28, 1971, the Occupational Safety & Health Administration (OSHA) Standard, 29 CFR 1910.242 paragraphs a & b for general industry requires effective chip guarding and personal protective equipment (PPE) when using compressed air. When cleaning residual toner particles from cartridges using a compressed air system, you must use air nozzles meeting OSHA requirements. Air nozzles that regulate air pressure to a maximum of 30 psi comply with this standard. Refer to the OSHA publication for any updates or changes that have occurred since the date noted above.

Use of Isopropyl Alcohol

For best results 91-99% isopropyl alcohol should be used for cleaning as directed in this instruction. 91% isopropyl alcohol is available at most major drug stores; 99% isopropyl alcohol is available through distributors of chemical products. Follow the alcohol manufacturer's safety instructions.

Illustrations

The illustrations and photos in this document might differ slightly from your cartridge. Every effort is made to include the most up-to-date photos and illustrations at the time of printing. The OEM may make changes, which were not available at the time of printing.

Safety Information

- Always wear eye protection while operating power tools.
- Always wear eye protection and protective clothing while working with toner and or other chemicals.
- Do not swallow or ingest toner, isopropyl alcohol, toner dust or any chemicals or materials used in the process of remanufacturing.

DEDICATION TO TRAINING

In order to produce consistent high quality prints that are virtually indistinguishable from the OEM, it is essential to follow Static Control's remanufacturing instructions exactly as directed. Static Control is dedicated to informing customers of the latest innovations in training and knowledge. Access to these instructions, our technical support staff and View on Demand Webinars are available to all customers in good standing.

ELECTROPHOTOGRAPHICALLY MATCHED COMPONENTS

We provide these critical components that have been electrophotographically matched for use in remanufactured toner cartridges. It is vital that the critical components be replaced as a system to ensure consistent high quality performance. We provide additional components such as felts, foams and recovery blades, should you decide they are necessary. Using Static Control's system of components allows you to use less expensive non-virgin cartridges and create remanufactured cartridges that provide high quality prints virtually indistinguishable from the OEM.

INDUSTRY LEADER

Static Control is the global leader in aftermarket imaging and remanufacturing technology. Offices are located worldwide and all research, development, manufacturing and engineering takes place at their Sanford, North Carolina, USA world headquarters. Currently, Static Control manufactures in-house over 8,000 imaging products and supplies over 15,000 imaging products to the aftermarket industry.



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