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REMANUFACTURING INSTRUCTIONS

Samsung® ML-2851, ML-2450, ML-2855,
SCX-4824/4828, SCX-4826, Xerox® Phaser® 3250



SSS™ 1015

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Other SSS™ documents available
in Adobe® Acrobat® PDF format.



TOOLS & SUPPLIES

- Safety Glasses
- Lint-Free Cleaning Cloth (LFCLOTH)
- Latex Gloves
- Small Slotted Screwdriver
- Phillips Screwdriver
- Lint-Free Foam Tip Swab (LFSWAB)
- Felt Foam Scraper Tool (FSTOOL)
- Conductive Lubricant (CONCLUBE)



CARTRIDGE DIFFERENCES



Note: Other cartridge differences may exist that Static Control is unaware of. Static Control is always researching new technologies and as these additional differences are discovered, Static Control will update the information if an update is needed.



Note: The small hopper will not hold the required high yield toner load. The small hopper has a maximum toner capacity of 100g.

Large Hopper

The large hopper is seen in high-yield Samsung® ML-2450/2850/2855, SCX-4824/4826/4828, and in high and low yield Xerox® Phaser® 3250 cartridges.



Small Hopper

The small hopper is seen in low yield and starter Samsung® ML-2450/2850/2855, SCX-4824/4826/4828, and in Xerox® Phaser® 3250 starter cartridges.



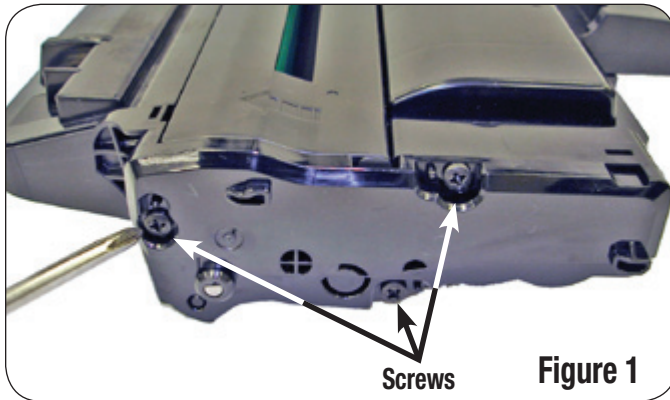


SEPARATING THE WASTE BIN & HOPPER

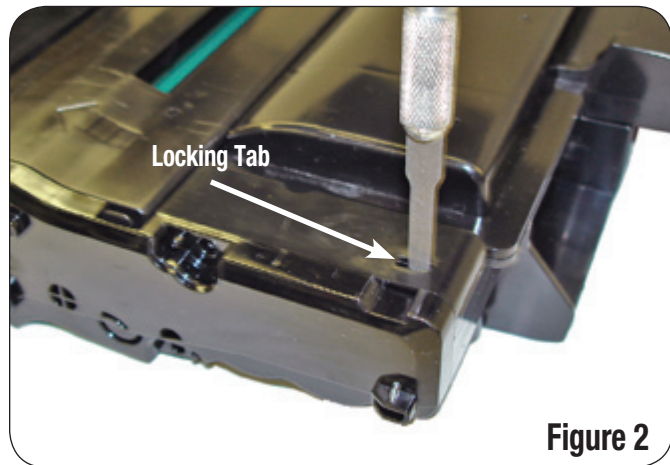


Note: For instructional purposes, the Samsung ML-2851 has been used in all photos in this document.

1. Use a Phillips screwdriver to remove the three screws on the drive side end plate (Figure 1).



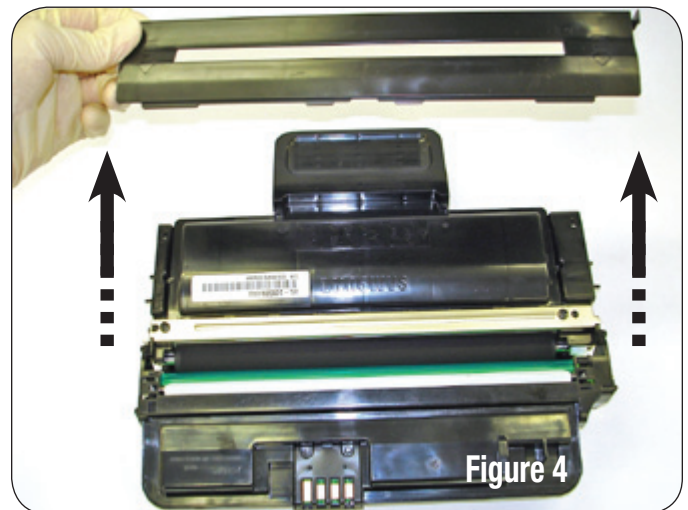
2. Insert the small flat end of the slotted screwdriver or the felt scraper tool into the slot on the drive side (Figure 2) to unlock the locking tab and release the end plate.



3. Remove the end plate from the drive side of the cartridge (Figure 3). A slotted screwdriver may be needed to gently pry the end plate away from the cartridge. Note the drum axle keyed end position with respect to the end plate.

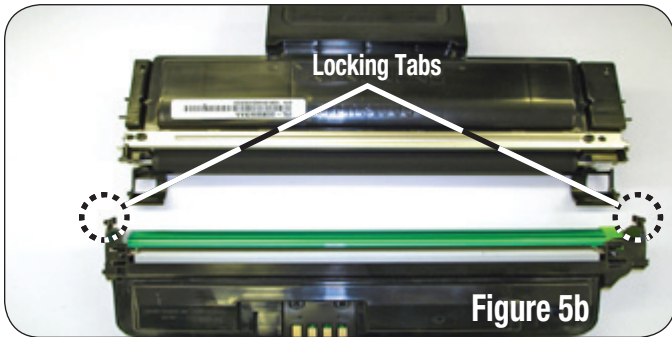


4. Repeat the steps in 1-3 to remove the contact side end plate.
5. Remove the cover on top of the cartridge by sliding the top toward the handle on the cartridge (Figure 4).



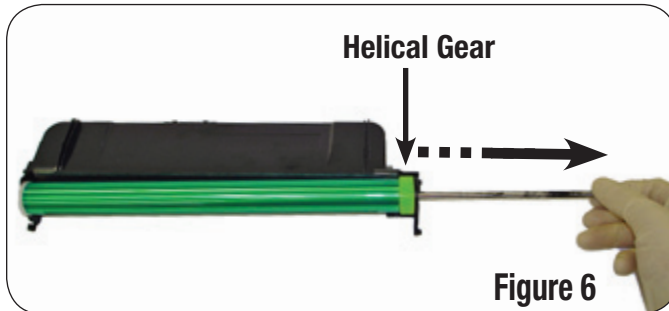
SEPARATING THE WASTE BIN AND HOPPER

6. To separate the waste bin from the hopper, press out and lift up on the locking tabs on each side of the cartridge as seen in Figure 5a. The tabs can be released one at a time or both at the same time. Figure 5b shows the waste section separated from the toner hopper.

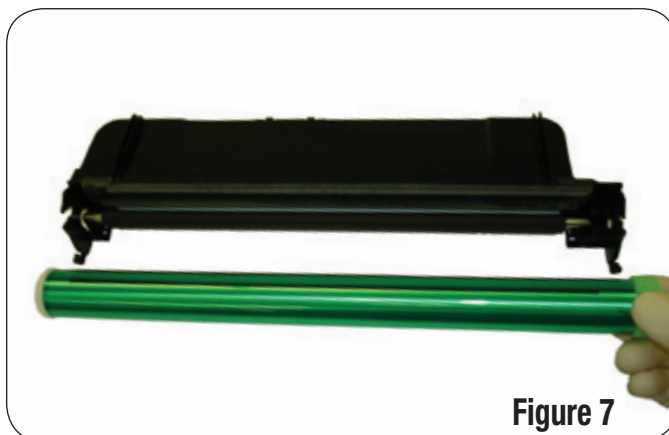


DISASSEMBLING THE WASTE BIN

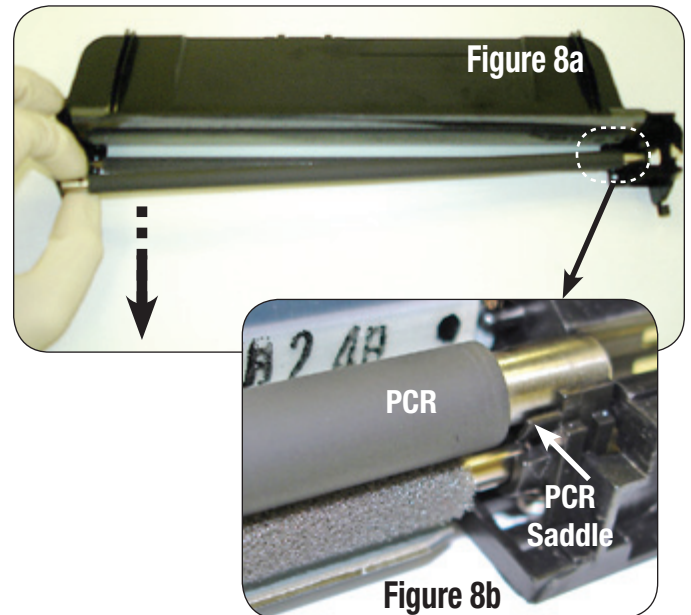
1. To remove the drum from the waste section, pull the drum axle out of the helical gear side of the drum as shown in Figure 6. Note the keyed end of the axle as well as the location of the conductive lubricant.



2. Once the axle is removed, the drum can be removed from the waste bin (Figure 7).



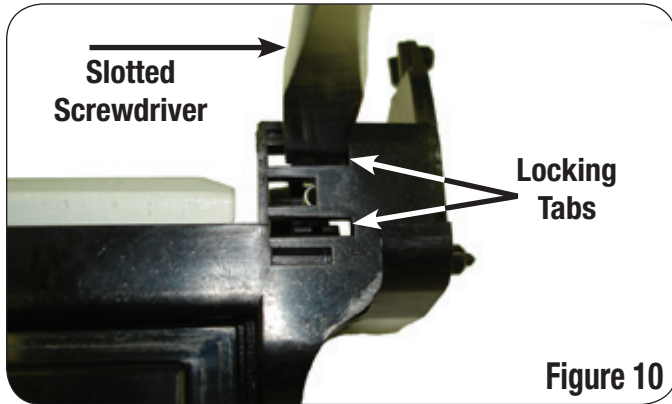
3. Remove the PCR by unsnapping the ends of the PCR from the PCR saddles (Figure 8a). One PCR saddle is detailed in Figure 8b.



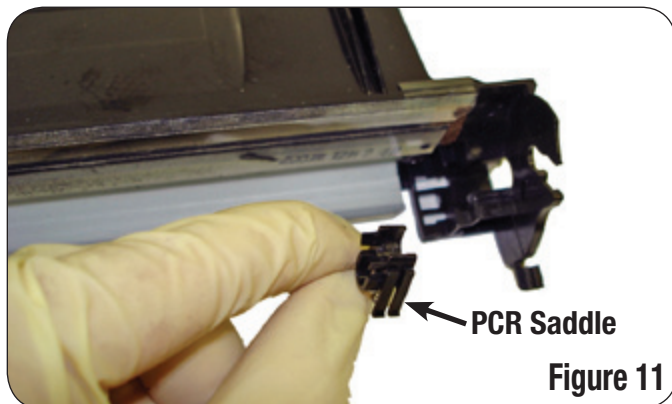
4. Holding the waste bin, remove the PCR cleaning roller (Figure 9) by lifting up on both ends of the roller.



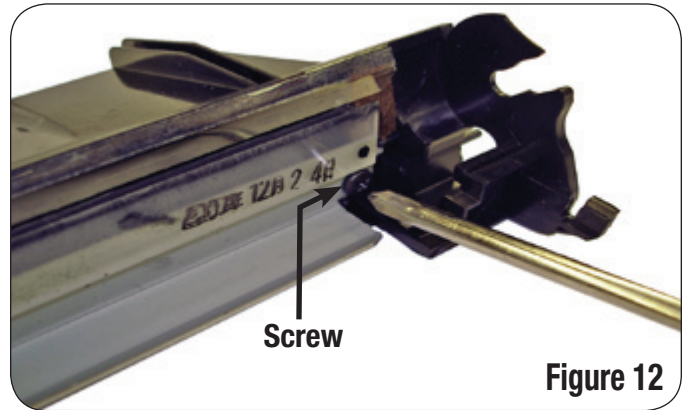
5. Remove the PCR saddles by using a small slotted screwdriver to unlock the locking tabs on the PCR saddles.



6. Remove the saddles (shown in Figure 11) from each end of the waste section.



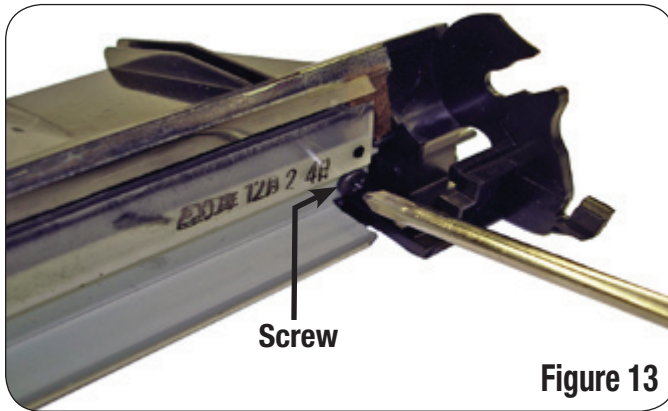
7. To remove the wiper blade, remove the two screws at each end of the wiper blade with a Phillips screwdriver (Figure 15).



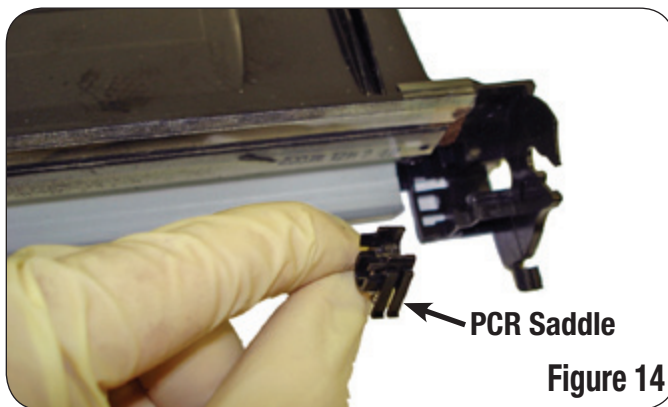
8. Clean out the waste bin using dry, filtered, compressed air.

REASSEMBLING THE WASTE BIN

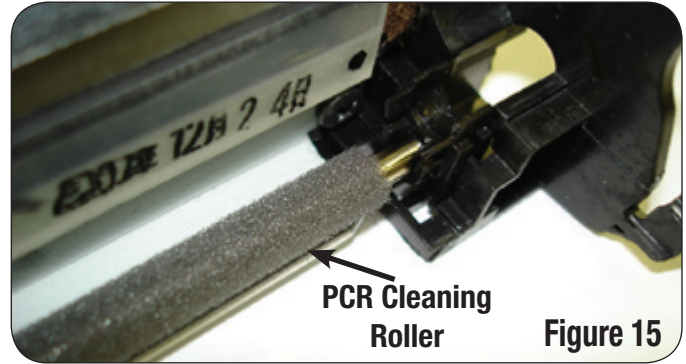
1. To prepare the wiper blade for installation, dip the working edge into qualified toner.
2. Install the wiper blade with the two Phillips screws removed earlier (Figure 13).



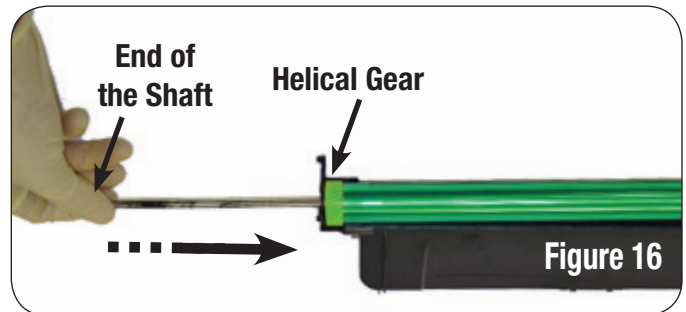
3. Snap the PCR saddles back in place as shown in Figure 14.



4. Reinstall the PCR cleaning roller (Figure 15).

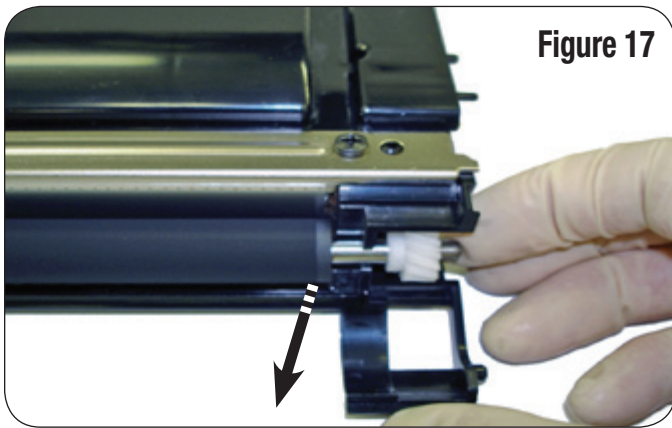


5. Reinstall the PCR into the PCR saddles.
6. Install the new drum. Insert the non-keyed end of the axle through the hole in the waste section on the helical gear side (Figure 16) until the end of the shaft reaches the spur gear end of the waste section.

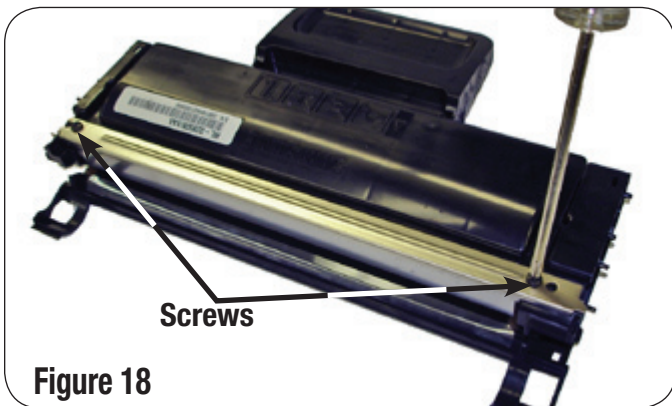


DISASSEMBLING THE HOPPER

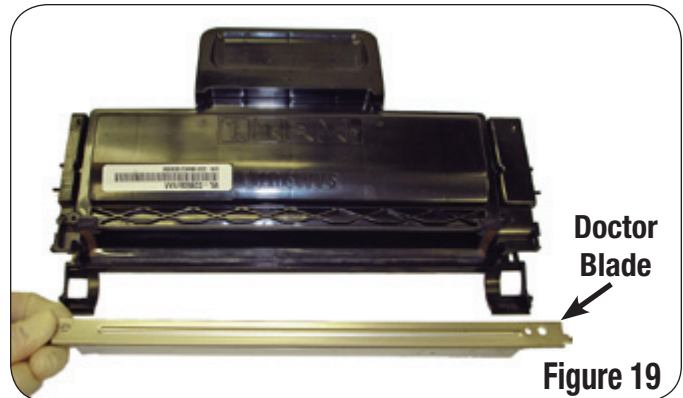
1. Remove the developer roller by pulling both ends of the developer roller away from the hopper (Figure 17).





2. Clean the developer roller with compressed air and then wipe it with a lint-free cloth to remove any excess toner.
3. Remove the two screws on top of the doctor blade using a Phillips screwdriver (Figure 18).



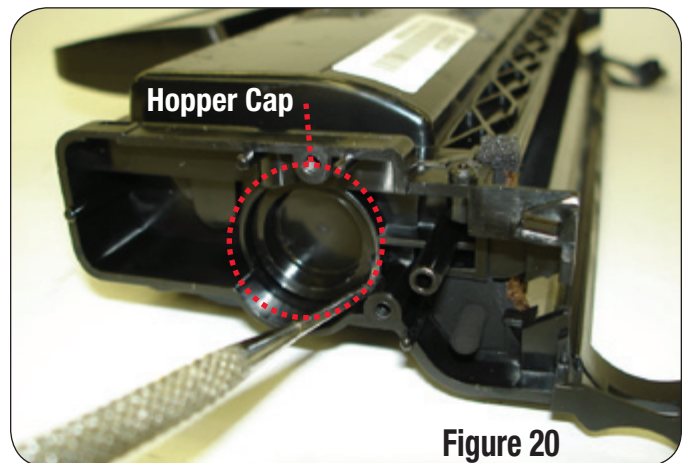
4. Remove the doctor blade (Figure 19).



 **Note:** The doctor blade can be cleaned with compressed air. Be careful not to damage the edge or coating of the doctor blade. Replace if necessary.

 **Note:** The wooden end of a lint free swab may be used to remove any excess toner build up from the working edge of the doctor blade. Be careful not to damage the edge or coating of the doctor blade. Replace if necessary.

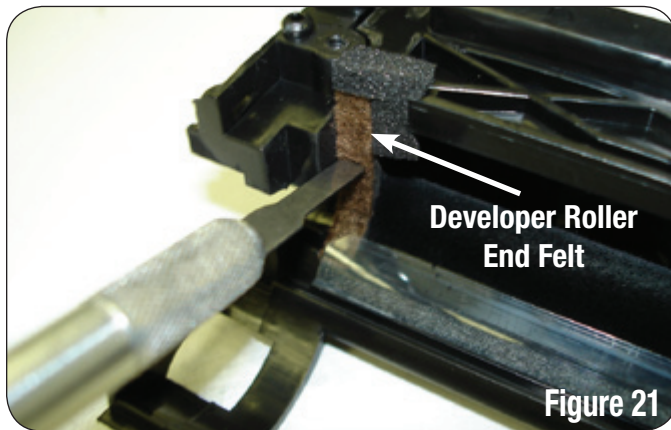
5. Use a tool with a sharp point or a small slotted screwdriver to remove the hopper cap. Gently work the tool along the edges of the cap until it pops out (Figure 20).



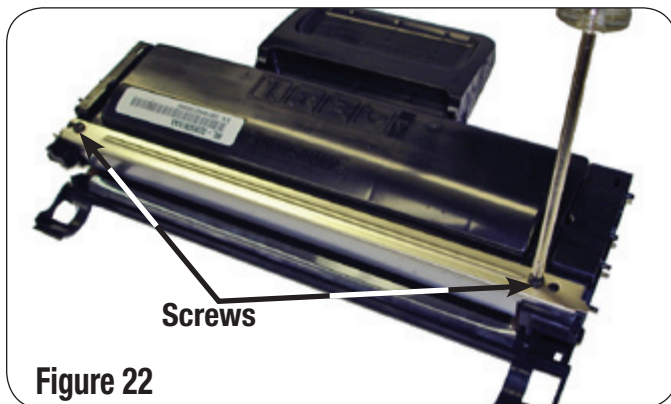
6. Thoroughly clean out the hopper using dry filtered compressed air.

REASSEMBLING THE HOPPER

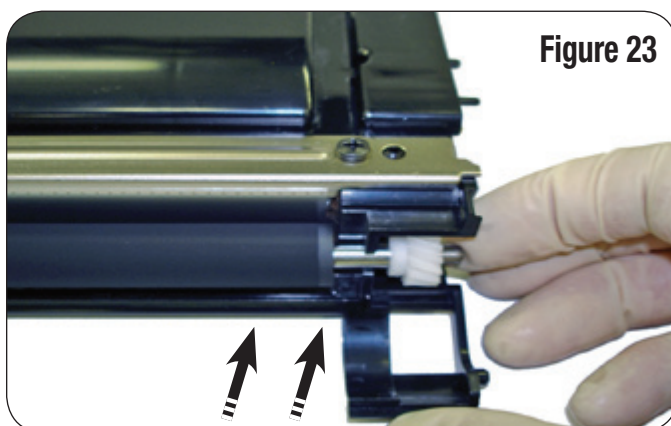
1. Scrape the felts on each end of the hopper with the scraper tool as shown in Figure 21 to fluff the felts.



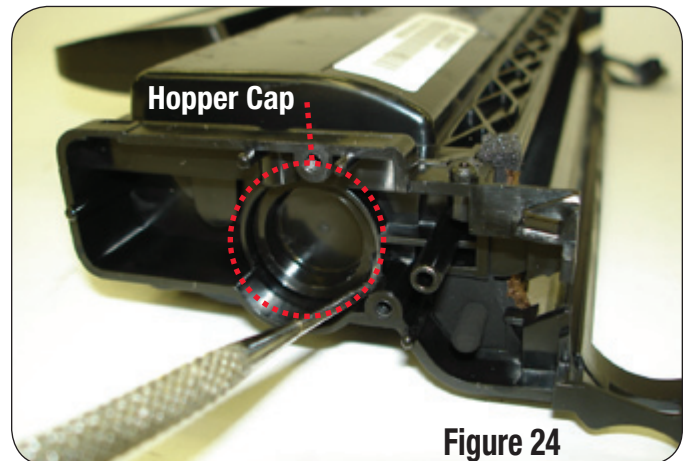
2. Reinstall the doctor blade using the two screws as shown in Figure 22.



3. Reinstall the developer roller by snapping the ends of the roller back into place (Figure 23).



4. Pour the correct amount of qualified toner into the hopper entry port and replace the cap (Figure 24).



5. Make sure that all the contacts have a small amount of conductive lubricant applied and that they are free of any toner.

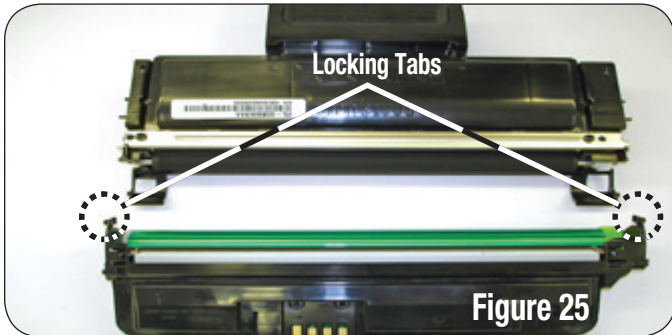


REASSEMBLING THE WASTE BIN AND HOPPER

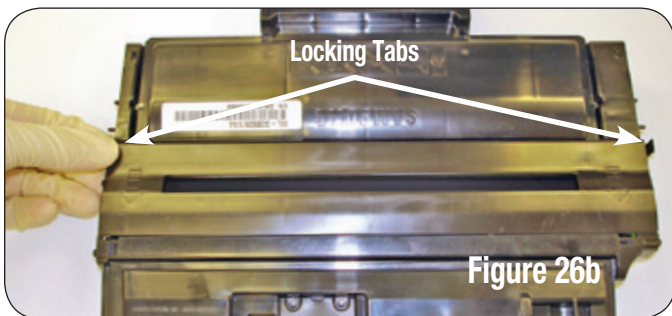
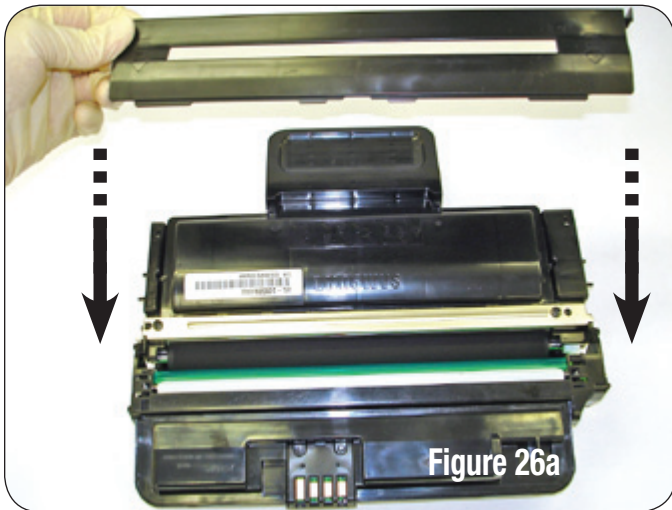


Note: Before attaching the end plate make sure that all the contacts have a small amount of conductive lubricant and that they are free of any toner.

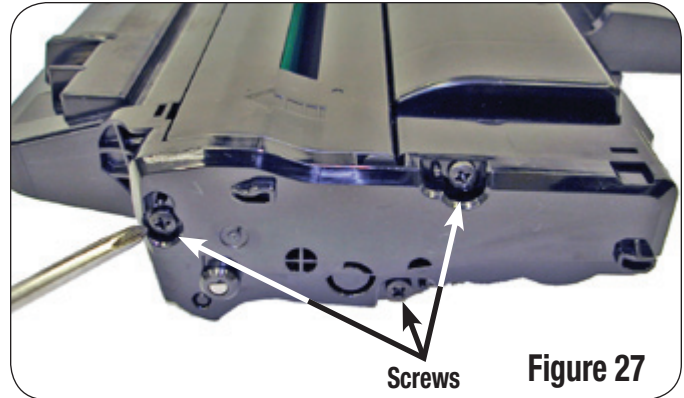
1. Attach the waste section back to the hopper by snapping the locking tabs back in (Figure 25).



2. The top cover can be reinstalled at this time or it can be reinstalled after the cartridge is completely back together Figure 26a and Figure 26b.



3. Attach driver side end plate using the three screws (Figure 27).



4. Install the contact side end plate using three screws.



Note: See SSS# 982 for instructions on chip installation.

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. However, 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.

MOVING AT THE SPEED OF NEW TECHNOLOGY

The development of cartridge imaging products and technology is the primary mission of our Imaging Labs. Through extensive testing and research, we develop the optimum combination of matched components for each cartridge. Our engineering and manufacturing expertise provides us with total control in design, quality and development to produce products from the ground up. The results are components that seamlessly work with each other and with good, used OEM parts.

This dedication and commitment results in products that Static Control fully supports, allowing you to quickly attack new market opportunities with complete confidence in the reliability and performance of your cartridges.



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