REMANUFACTURING INSTRUCTIONS

SSS™ 1224

V 1.2: 03-14

Samsung® SL-M2625/M2825/M2875/M2675

TONER UNIT

MLT-D116S

MLT-D116L

DRUM UNIT

MLT-R116

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Static Control®

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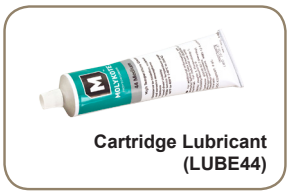
- Curved Scraper Blade Tool (CSBTOOL)
- Small Slotted Screwdriver
- Phillips Screwdriver
- Needle Nose Pliers
- Cartridge Lubricant (LUBE44)
- Conductive Lubricant (CONCLUBE)
- Toner Pour Spout (TPS)
- Lint-Free Cleaning Cloth (LFCCLOTH)
- Lint-Free Swab (LFSWAB)
- 91-99% Isopropyl Alcohol
- De-ionized Water
- Dry, Filtered, Ionized, Compressed, Air For Cleaning
- Cartridge Cleaning Workstation
- Rubber Gloves
- Toner Vacuum (TONERVAC115 or TONERVAC220)
- Safety Glasses


Curved Scraper Blade Tool (CSBTOOL)


Small Slotted Screwdriver


Phillips Screwdriver


Needle Nose Pliers


Cartridge Lubricant (LUBE44)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Toner Pour Spout


Lint-Free Cleaning Cloth (LFCCLOTH)


Lint-Free Swab (LFSWAB)


91-99% Isopropyl Alcohol


De-ionized Water


Dry, Filtered, Ionized, Compressed, Air


Cartridge Cleaning Workstation


Rubber Gloves


Toner Vacuum


Safety Glasses

STEP 1.1 (SEPARATING THE TWO SECTIONS)

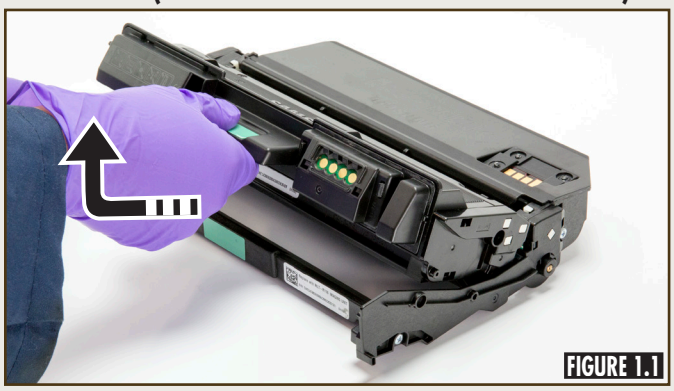


FIGURE 1.1

To release the toner hopper from the drum unit, grab the handle, pull towards you and lift the hopper out (Figure 1.1).

STEP 2.1 (DISASSEMBLING THE TONER HOPPER)

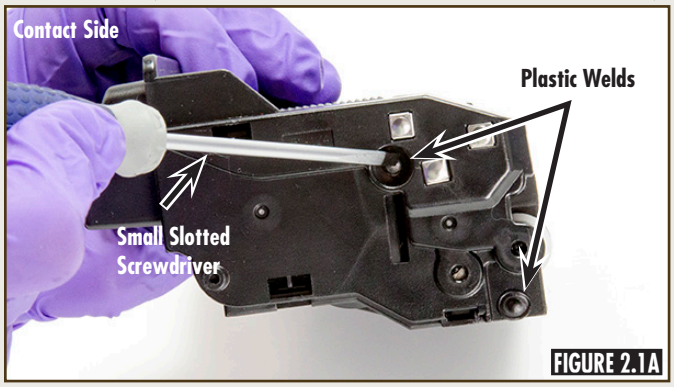


FIGURE 2.1A

FIGURE 2.1B

Use a small slotted screwdriver to pry off the four plastic welds. Two are located on the contact side (Figure 2.1A) and two on the drive side (Figure 2.1B).

STEP 2.2

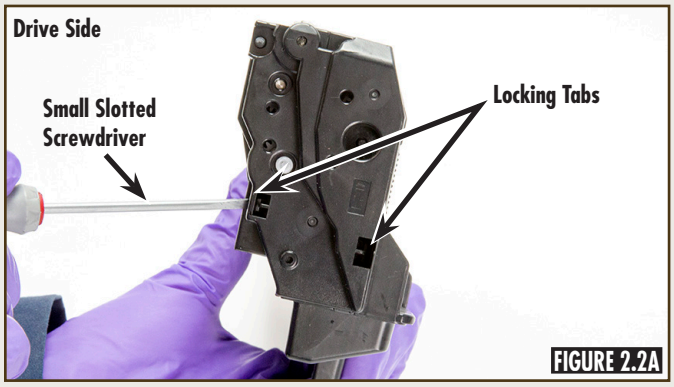


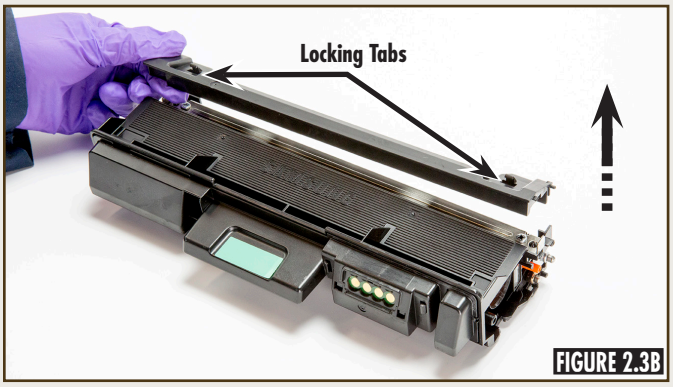
FIGURE 2.2A

FIGURE 2.2B

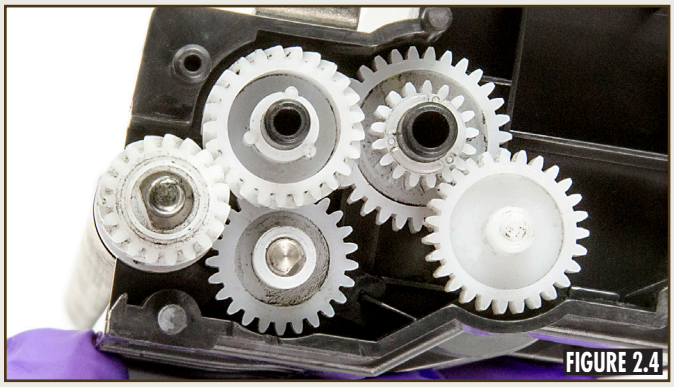
Use a small slotted screwdriver to release the three (3) locking tabs on contact side and the two (2) on drive side (Figures 2.2A and 2.2B). After the tabs are released, remove hopper end plates.

STEP 2.3

Using a small slotted screwdriver, release the locking tab on the doctor blade cover as shown in Figure 2.3A and remove the cover (Figure 2.3B).



STEP 2.4



On gear side, remove the gears (Figure 2.4).

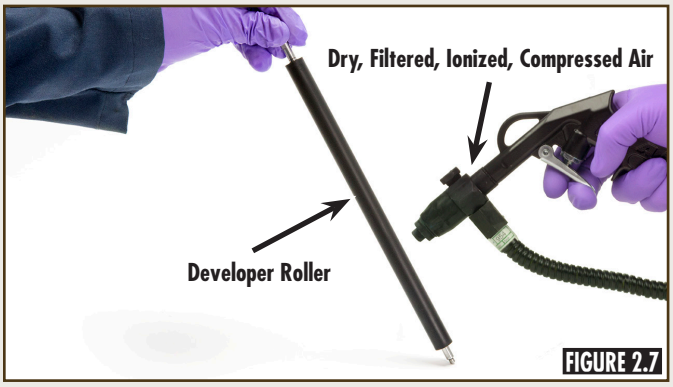
STEP 2.5

Remove both air gap rollers from the developer roller (Figure 2.5).

STEP 2.6

Lift the developer roller out as shown in Figure 2.6.

STEP 2.7

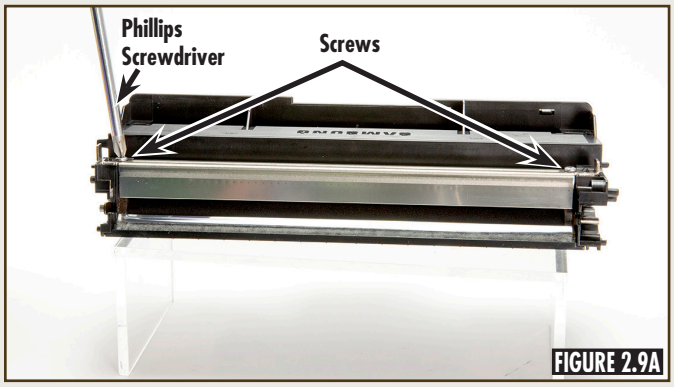


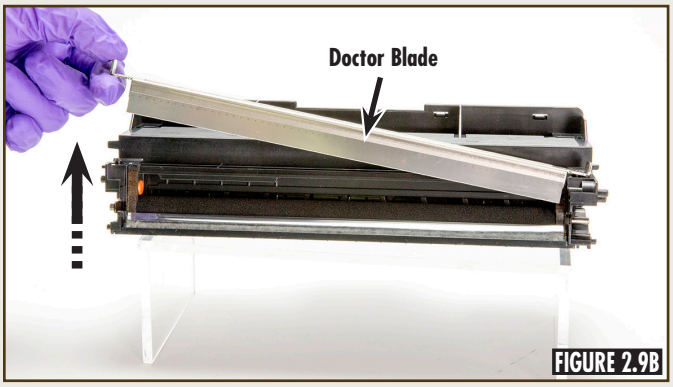
Blow off excess toner from developer roller using dry, filtered, ionized, compressed air.

STEP 2.8

Clean the developer roller with a lint-free cleaning cloth saturated in 91%-99% isopropyl alcohol. Then use another lint-free cleaning cloth with de-ionized water and dry using dry, filtered, ionized, compressed air (Figure 2.8).

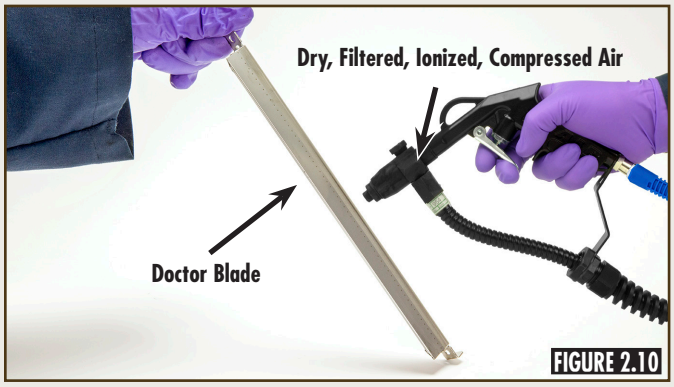
STEP 2.9





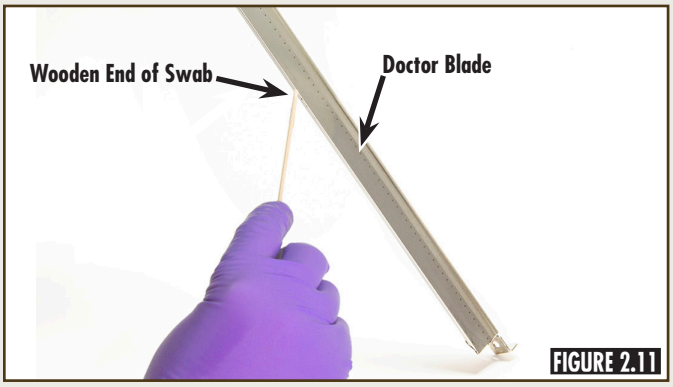
Use a Phillips screwdriver to remove the two screws securing the doctor blade and remove the doctor blade (Figures 2.9A and 2.9B).

STEP 2.10



Blow off excess toner from the doctor blade using dry, filtered, ionized, compressed air (Figure 2.10).

STEP 2.11



Clean the working edge of the doctor blade by gently running the wooden end of a swab along the edge (Figure 2.11).

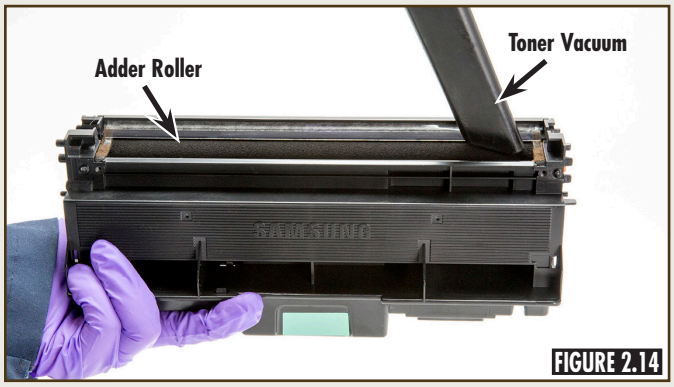
STEP 2.12

Use a small slotted screwdriver to gently pry the hopper cap from the hopper (Figure 2.12).

STEP 2.13

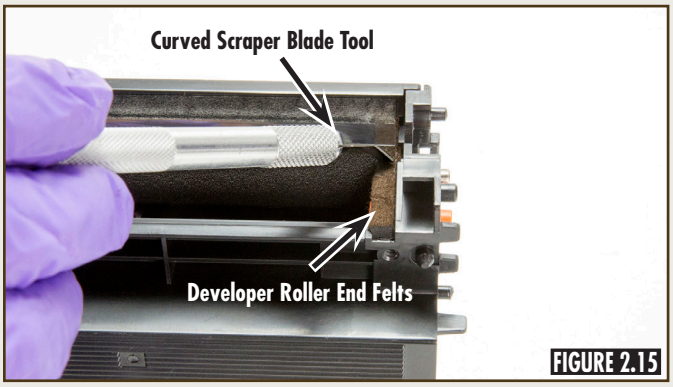
Clean any remaining toner from the hopper using dry, filtered, ionized, compressed air (Figure 2.13).

STEP 2.14



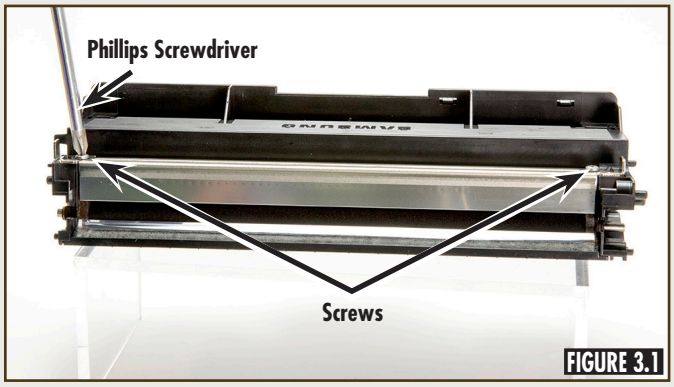
Vacuum the adder roller as you rotate it by turning the metal shaft (Figure 2.14).

STEP 2.15



Use a curved scraper blade tool to fluff the developer roller end felts on each end to prevent toner from leaking (Figure 2.15).

STEP 3.1

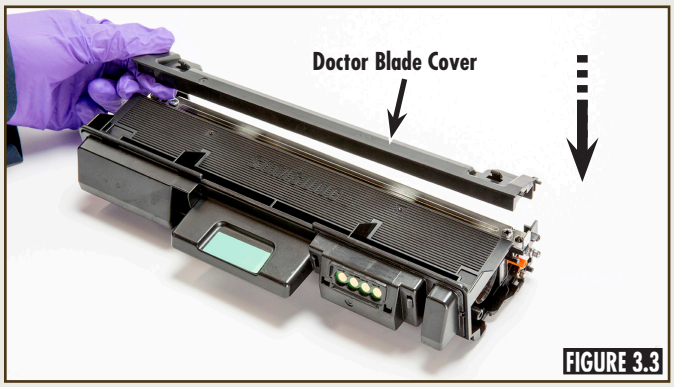


Place the doctor blade on the hopper and secure it with two (2) screws (Figure 3.1).

STEP 3.2

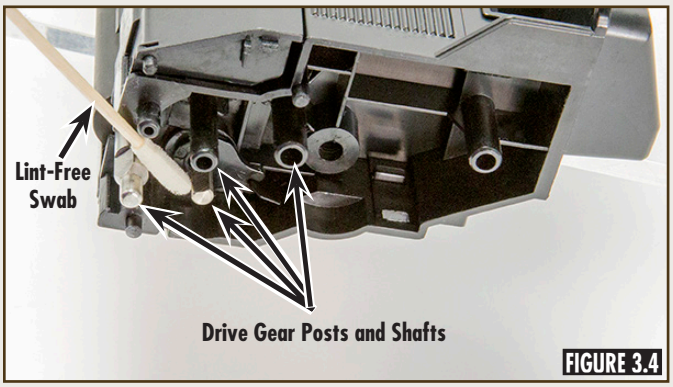
Place the developer roller onto cartridge and push down on the contact side until it clicks into place (Figure 3.2).

STEP 3.3



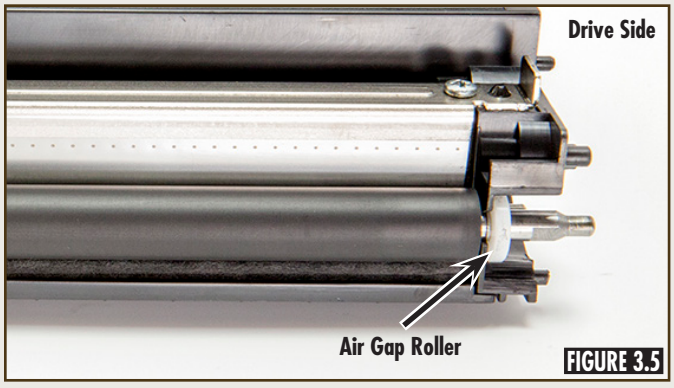
Install the doctor blade cover as shown in Figure 3.3; it will snap into place.

STEP 3.4



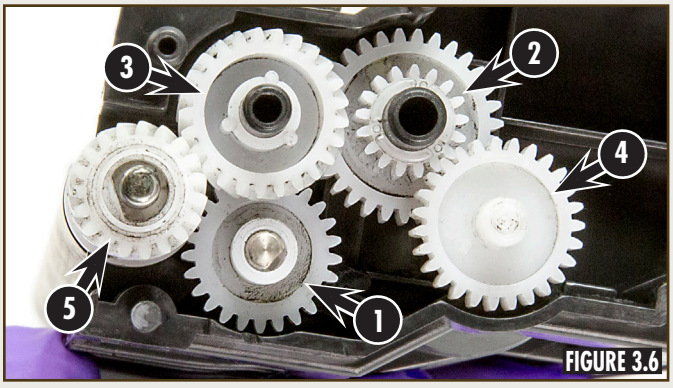
Inspect the ends of the drive gear posts for any remaining residue and/or debris. If dirty, use a lint-free swab to clean areas shown in Figure 3.4.

STEP 3.5



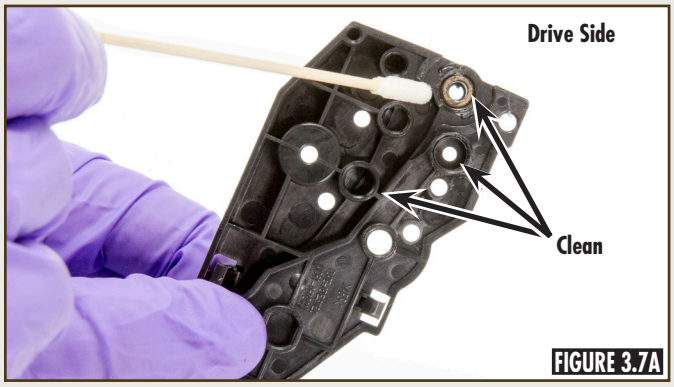
Install the air gap roller on the drive side end of the developer roller (Figure 3.5).

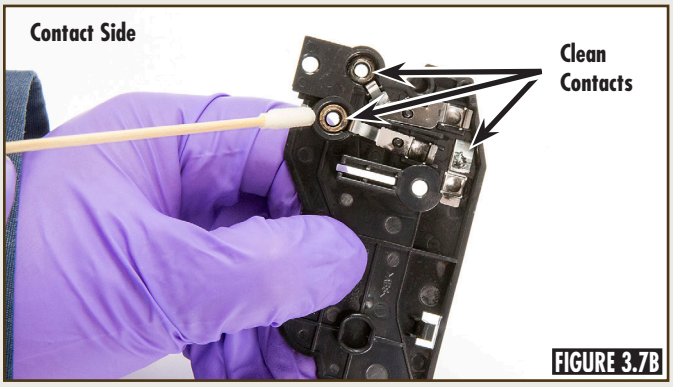
STEP 3.6



Install the gears (Figure 3.6) in the following order: 1-toner adder roller, 2-large idler gear, 3-small idler gear, 4-agitator gear and 5-developer roller drive gear.

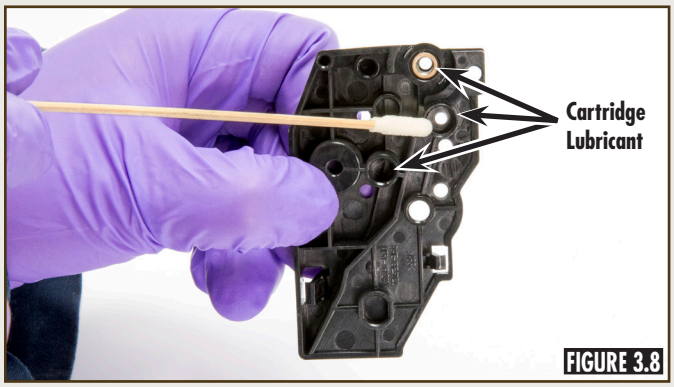
STEP 3.7





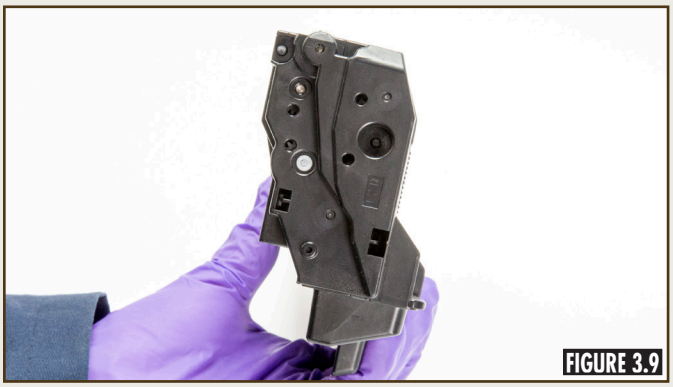
Before installing, inspect the end plates for any residue and/or debris. If there is any remaining, use a lint-free swab to clean areas shown in Figure 3.7A and 3.7B.

STEP 3.8



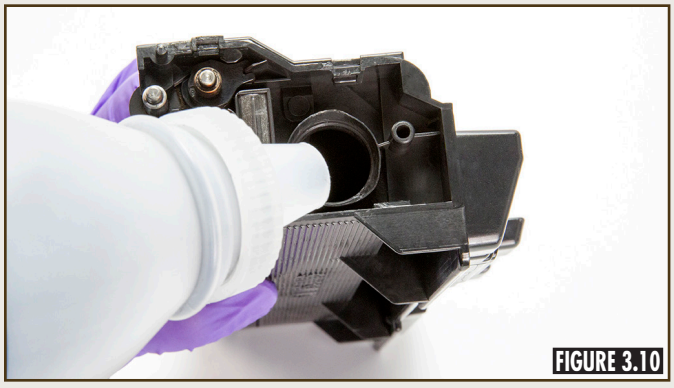
Add cartridge lubricant to the developer roller, adder roller and agitator gear end plate as shown in Figure 3.8.

STEP 3.9



Install drive side end plate; it will click into place (Figure 3.9).

STEP 3.10

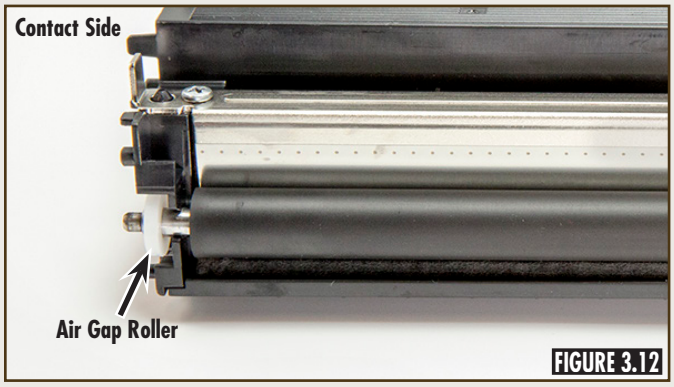


Fill hopper with approved toner (Figure 3.10).

STEP 3.11

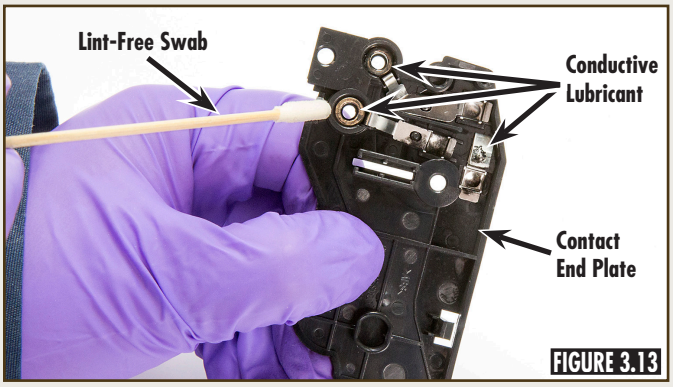
Install the hopper cap (Figure 3.11).

STEP 3.12



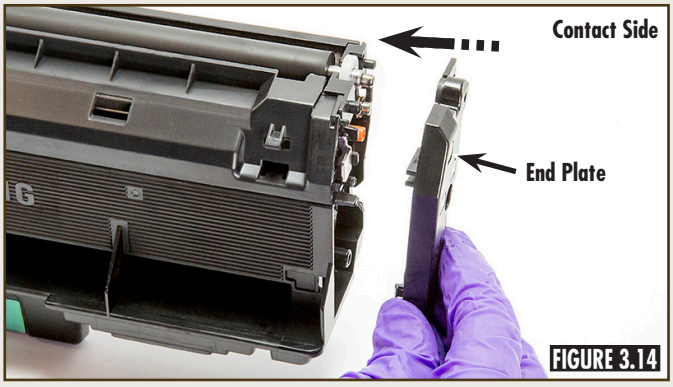
Install the air gap roller on the contact side end of the developer roller (Figure 3.12).

STEP 3.13



Use a lint-free swab to apply fresh conductive lubricant to the areas shown in Figure 3.13.

STEP 3.14

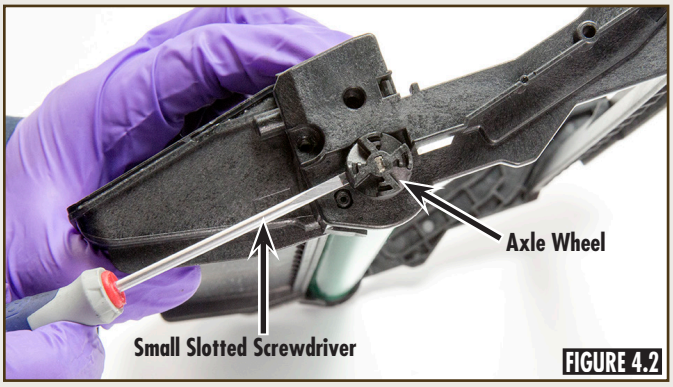


Install the end plate on the contact side. It will click into place (Figure 3.14).

STEP 4.1

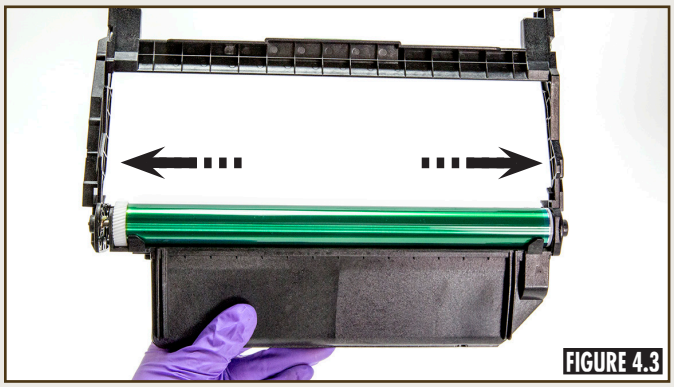
Use a Phillips screwdriver to remove the two screws from the waste bin end plates (Figure 4.1).

STEP 4.2



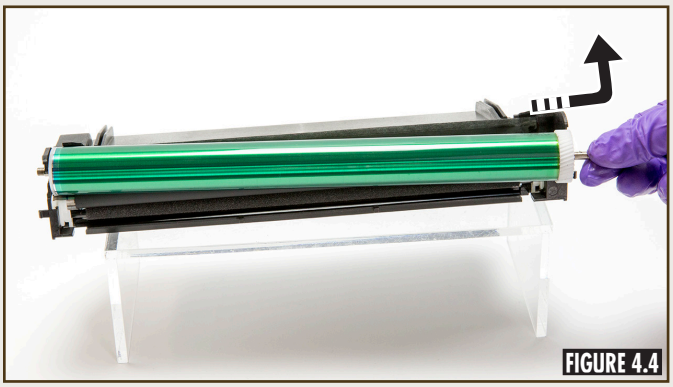
Using a small slotted screwdriver, gently pry out the axle wheel from the geared side of the drum as shown in Figure 4.2.

STEP 4.3



Remove waste bin end plates (Figure 4.3).

STEP 4.4



Remove the drum by lifting it out as shown in Figure 4.4.

STEP 4.5

Remove the PCR by lifting it out as shown in Figure 4.5.

STEP 4.6

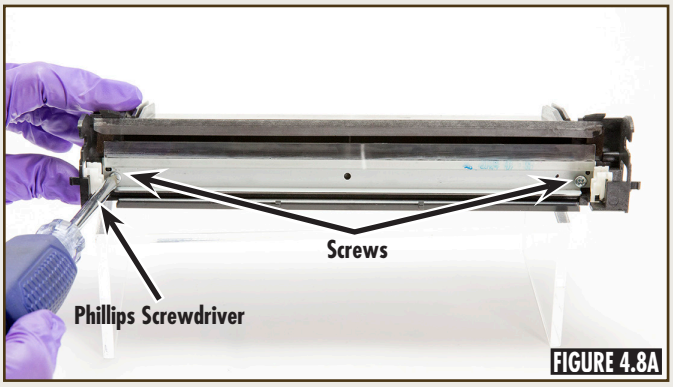
To clean the PCR, gently wipe using a lint-free cleaning cloth dampened with 91-99% isopropyl alcohol. Use dry, filtered, ionized, compressed air to dry the PCR and set aside (Figure 4.6).

STEP 4.7

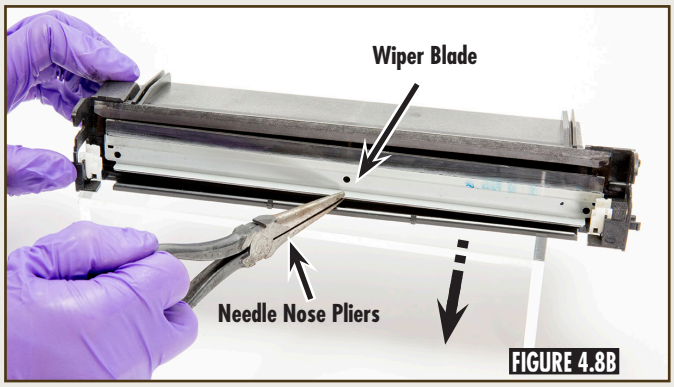
Remove the PCR cleaning roller by lifting it out as shown in Figure 4.7.

Note: Blow debris from the PCR cleaning roller using dry, filtered, ionized compressed air.

STEP 4.8

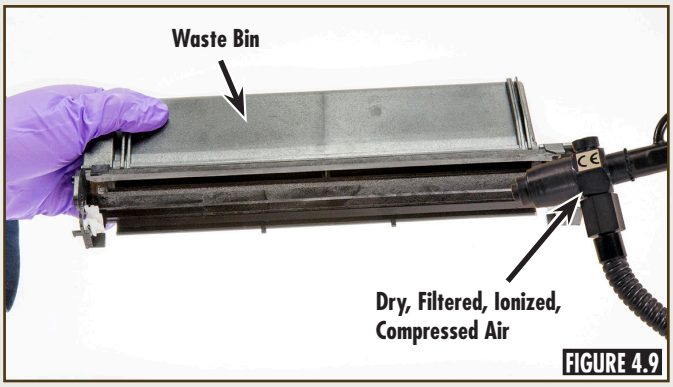


Using a Phillips screwdriver, remove two screws from the wiper blade (Figure 4.8A). Lift the wiper blade out using needle nose pliers as shown in Figure 4.8B.



Note: Use needle nose pliers to grip the wiper blade in the center and pull up.

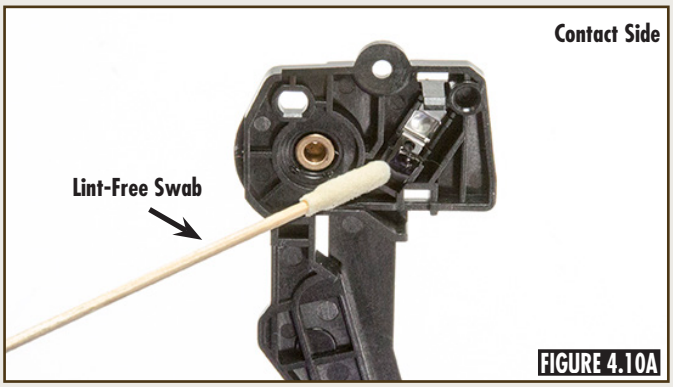
STEP 4.9



Using dry, filtered, ionized, compressed air, clean waste toner from the waste bin (Figure 4.9).

STEP 4.10

Use a dry lint-free swab to clean any residue and/or debris from the end plates (Figures 4.10A and 4.10B).

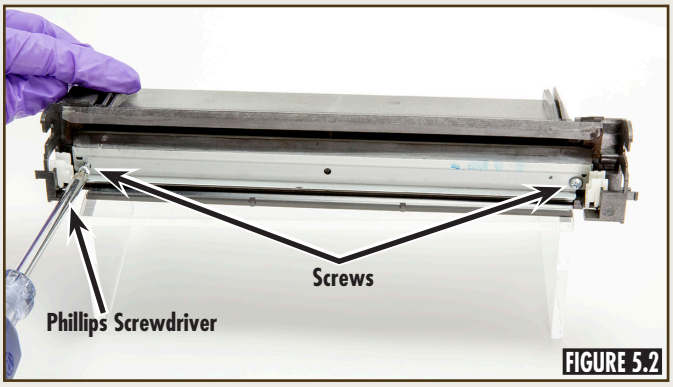


Note: Use a lint-free cleaning cloth to clean any residue and/or debris from the drum axle (not shown).

STEP 5.1

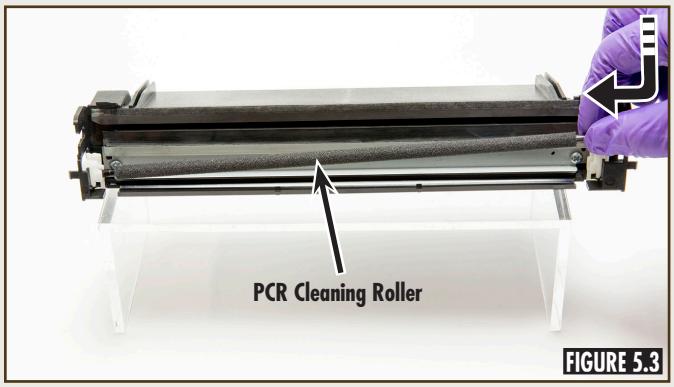
Dip the working edge of the wiper blade into qualified toner; tap stamped edge to remove excess toner from blade (Figure 5.1).

STEP 5.2



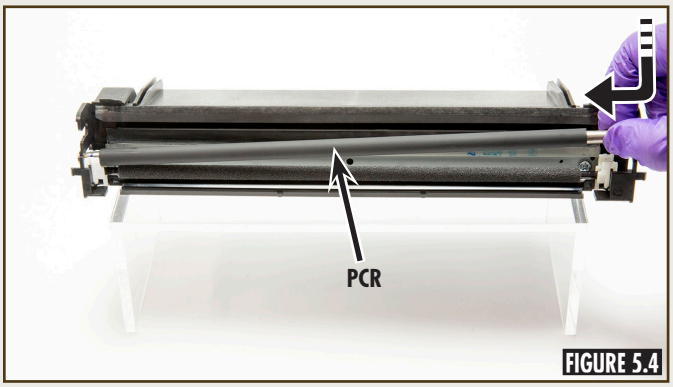
Install wiper blade and two screws; make sure blade is seated properly against the felts (Figure 5.2).

STEP 5.3



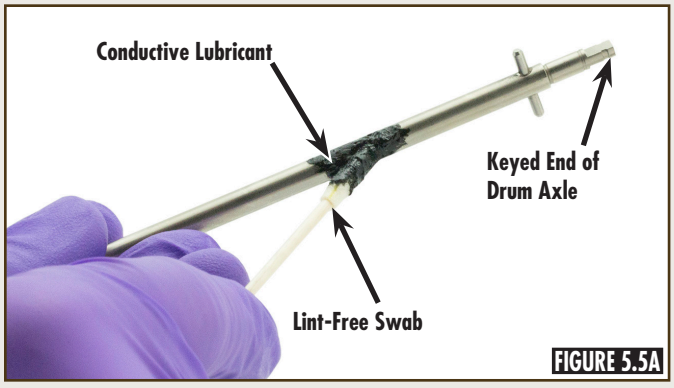
Place PCR cleaning roller onto the saddles and push down into place as shown in Figure 5.3.

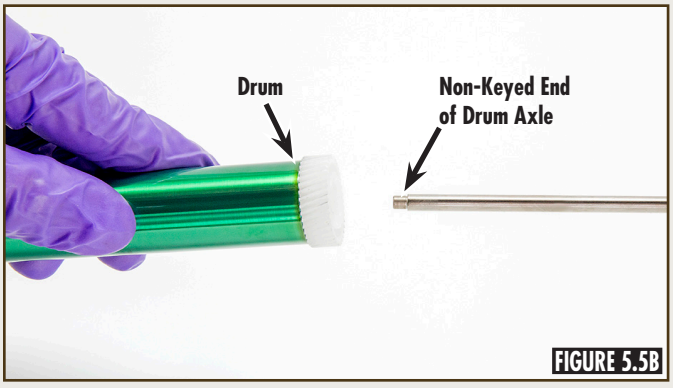
STEP 5.4



Place the PCR onto the saddles and push down into place as shown in Figure 5.4.

STEP 5.5





Apply fresh conductive lubricant to the keyed end of the drum axle (Figure 5.5A). Insert the non-keyed side of axle into the drive side of the drum (Figure 5.5B).

STEP 5.6

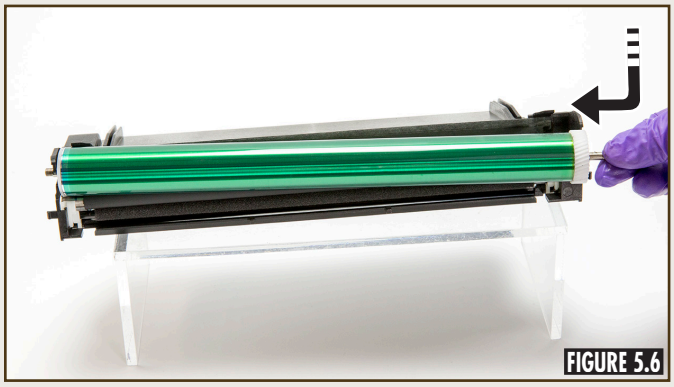


FIGURE 5.6

Place drum in the waste bin and push down until it clicks into place (Figure 5.6).

STEP 5.7

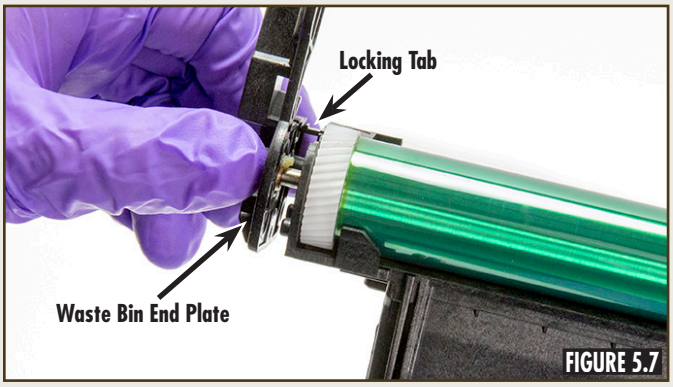


FIGURE 5.7

Install the waste bin end plates (Figure 5.7).

Note: The drum drive side end plate should be installed first. Be careful not to break the locking tabs.

STEP 5.8

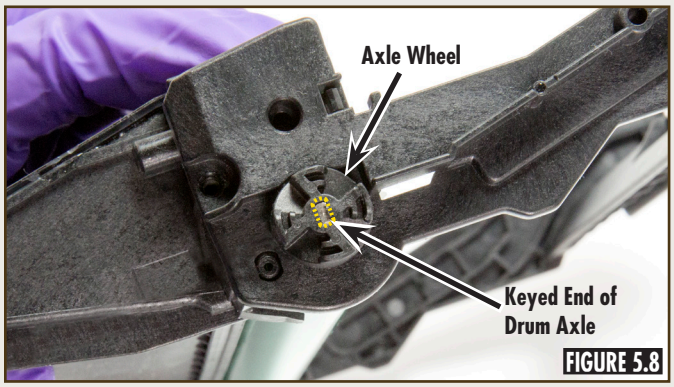


FIGURE 5.8

Install the axle wheel by aligning the keyed end of the drum axle and push in place (Figure 5.8).

STEP 5.9

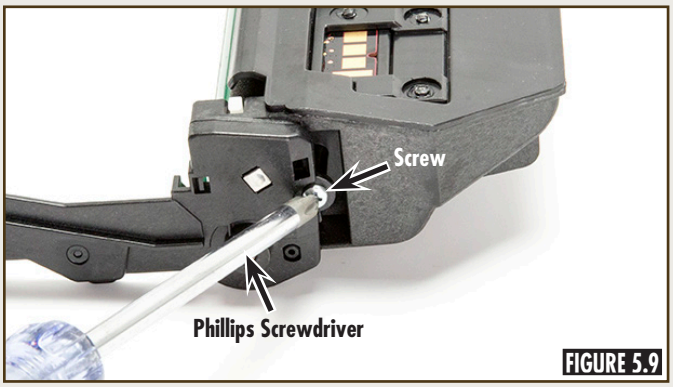


FIGURE 5.9

Secure the waste bin end plates with two screws (Figure 5.9).

STEP 6.1 (ASSEMBLING THE TWO SECTIONS)

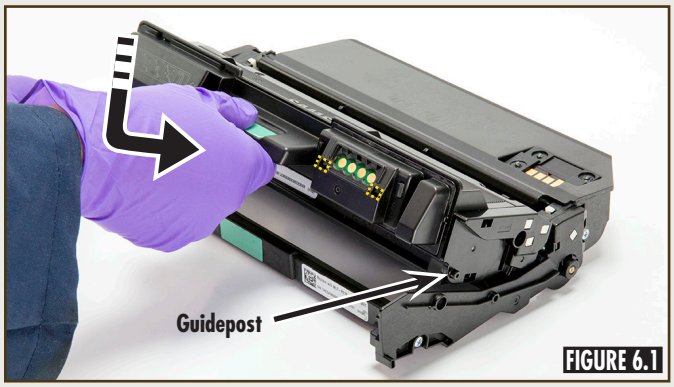


FIGURE 6.1

Place drum unit onto flat surface and align the guideposts on the toner hopper with the corresponding channels on waste bin and insert cartridge as shown in Figure 6.1.

Note: Be careful not to damage the drum on the work surface.

Note: See SSS™1218 (toner hopper) and **SSS™ 1187** (drum unit) for chip installation instructions

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 is 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 10,000 imaging products and supplies over 14,000 imaging products to the aftermarket industry.

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