



REMANUFACTURING INSTRUCTIONS

HP® P1005/P1006/P1007/P1008, HP® P1102, HP® M1130 MFP/M1132 MFP, HP® M1136 MFP, HP® M1212 MFP/M1214 MFP/M1217 MFP, HP® M1213 MFP/ M1216 MFP, M1219 MFP, HP® P1505/M1522 MFP/M1120 MFP, HP® P1606/P1566 Canon® LBP3100/3050/3150 & i-Sensys 3250



HP® CB435A/CC388A/CB436A, CE285A, CE278A Canon® 312/313/713 Cartridges

SSS™ 967

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





# TOOLS & SUPPLIES

**Angle-blade Knife Tool**  
ABKTOOL



Angle-blade Knife Tool

**Lint-Free Swab**  
LFSWAB



Lint-Free Swab

**Lint-Free Cleaning Cloth**  
LFCLOTH



Lint-Free Cleaning Cloth

**Conductive Lubricant**  
CONCLUBE



Conductive Lubricant

**HP® P1005/P1006/P1505  
Hopper Entry Tool Kit**  
(HP1505HEKIT)



Hopper Entry Tool Kit

**HP®2600 Foam Hopper Cap**  
(HP26FMHCAP) or  
**HP®1320 Foam Hopper Cap**  
(HP1320FMHCAP)



Foam Hopper Cap

**Phillips Screwdriver**



Phillips Screwdriver

**Small Slotted Screwdriver**



Small Slotted Screwdriver

**Dry, Filtered, Ionized, Compressed  
Air for Cleaning**



Compressed  
Air

**91-99% Isopropyl Alcohol**



Isopropyl  
Alcohol

**Safety Glasses**

**Cartridge Lubricant**



Cartridge Lubricant



Safety Glasses

**Hooked End Metal Tool**  
(HTOOL-2)



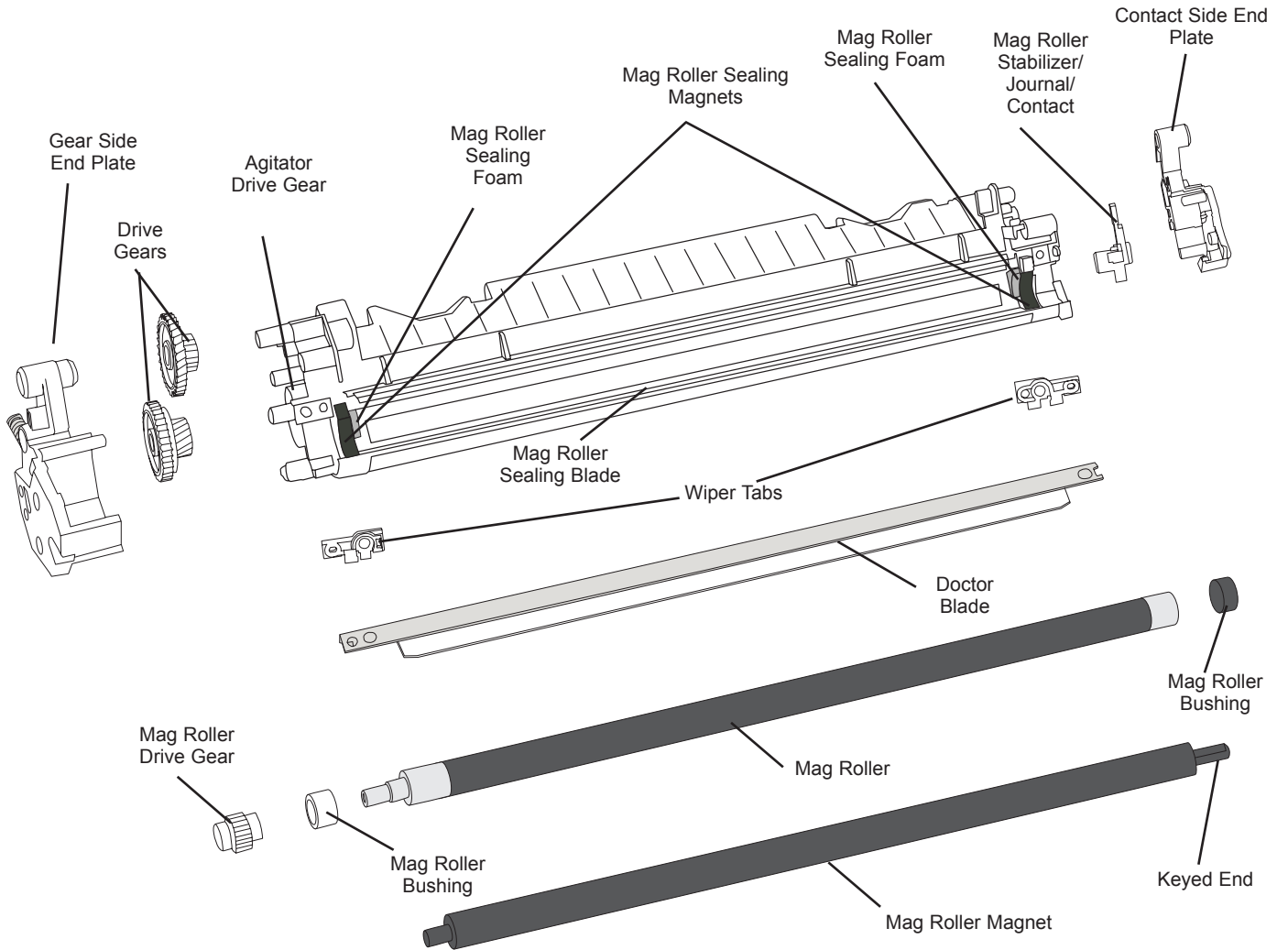
Hook Tool



# TONER HOPPER

DRIVE SIDE

CONTACT SIDE



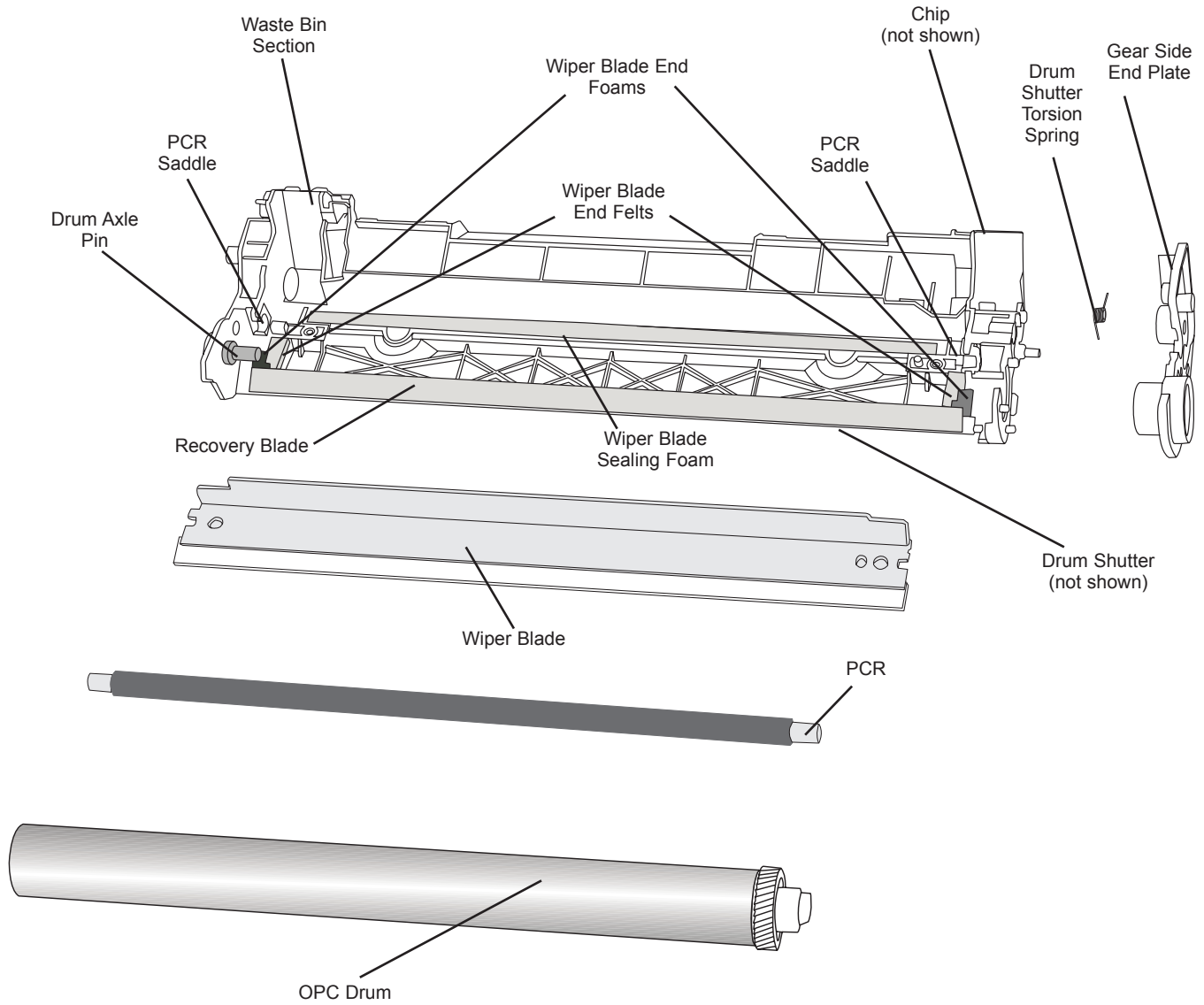
**Note:** This instruction can be used for remanufacturing all the listed cartridges. For illustration purposes, the HP CB436A cartridge is used.



# WASTE BIN

CONTACT SIDE

DRIVE SIDE

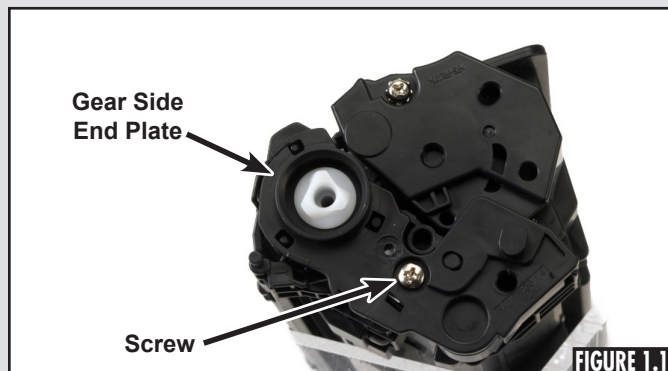


**Note:** This instruction can be used for remanufacturing all the listed cartridges. For illustration purposes, the HP CB436A cartridge is used.



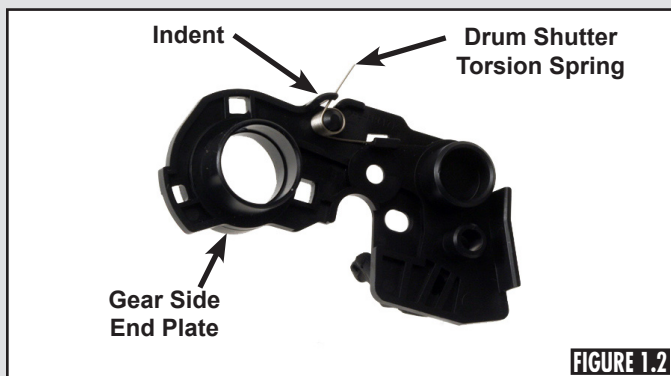
**Note:** This instruction can be used for remanufacturing all the listed cartridges. For illustration purposes, the HP CB436A cartridge is used.

## STEP 1.1



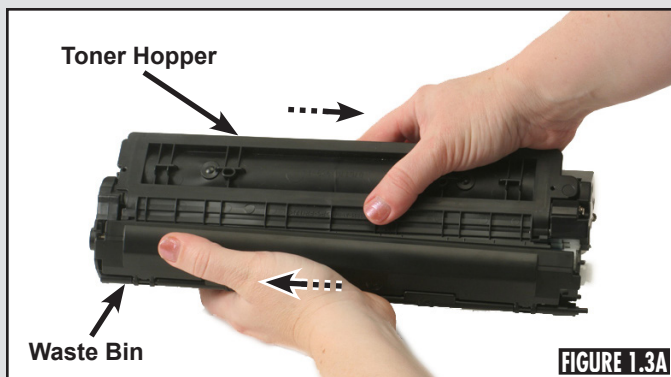
Using a Phillips screwdriver, remove the screw from the gear side end plate. See Figure 1.1.

## STEP 1.2

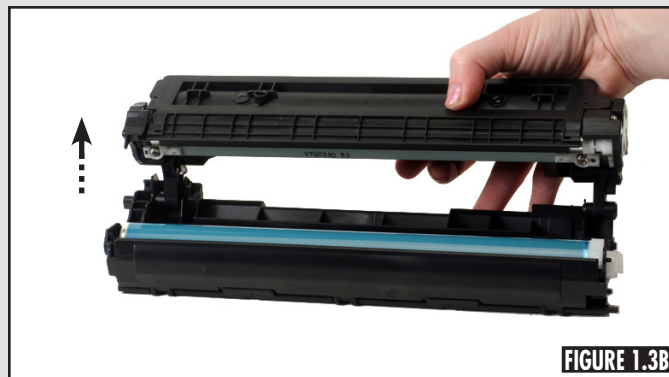


Using a hook tool, move the drum shutter torsion spring into the indent on the gear side end plate as shown in Figure 1.2. Then, remove the gear side end plate ensuring that the drum shutter torsion spring does not get lost.

## STEP 1.3



Position the cartridge with the hopper facing upward and grasping tightly, slide the waste bin section and hopper side apart, as shown in Figure 1.3A. Separate as shown in Figure 1.3B.



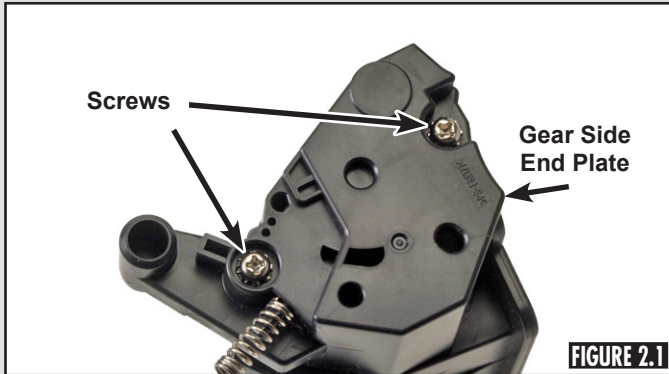
**Note:** If separated incorrectly, waste toner will spill.





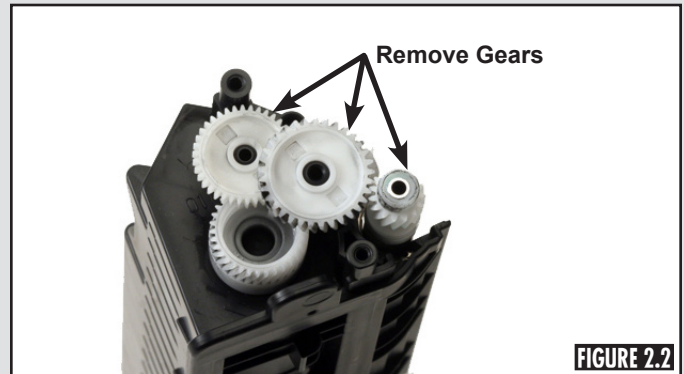
## SECTION 2: DISASSEMBLING THE TONER HOPPER

### STEP 2.1



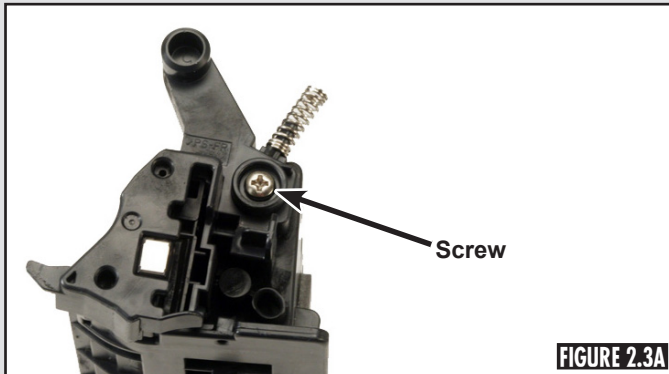
Remove the two screws and gear side end plate as shown in Figure 2.1.

### STEP 2.2

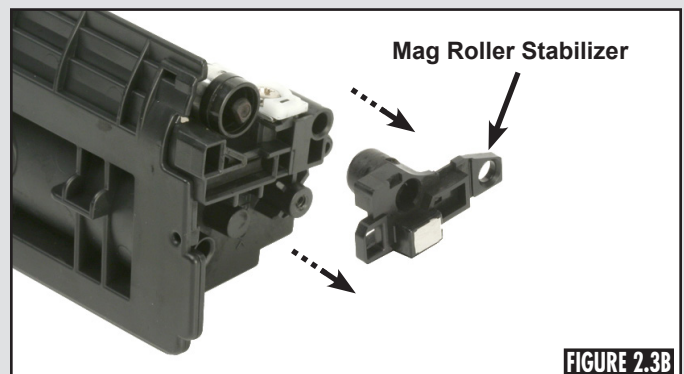


Remove the two drive gears and mag roller drive gear from the hopper as shown in Figure 2.2. Inspect them for damage and clean as needed.

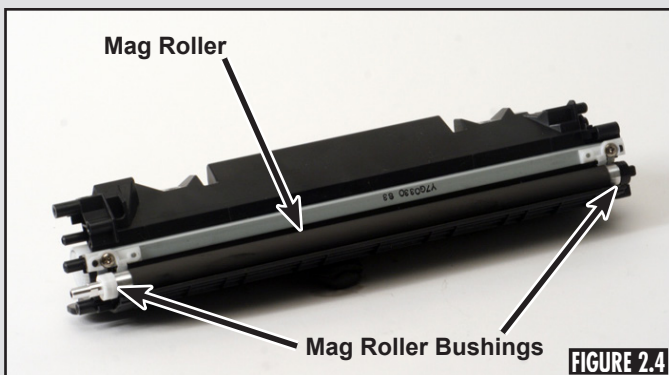
### STEP 2.3



Remove the single screw and then the contact side end plate as shown in Figure 2.3A. Remove the mag roller stabilizer/journal/contact and clean using a lint-free swab. See Figure 2.3B.



### STEP 2.4



Remove the mag roller and bushings (Figure 2.4). Clean the mag roller with dry, filtered, ionized, compressed air and place on a dry, lint-free cloth. Inspect and clean mag roller bushings with lint-free swab and 91-99% isopropyl alcohol.



**Note:** The mag roller magnet is free from the sleeve and must be handled with care to prevent damage.



### STEP 2.5

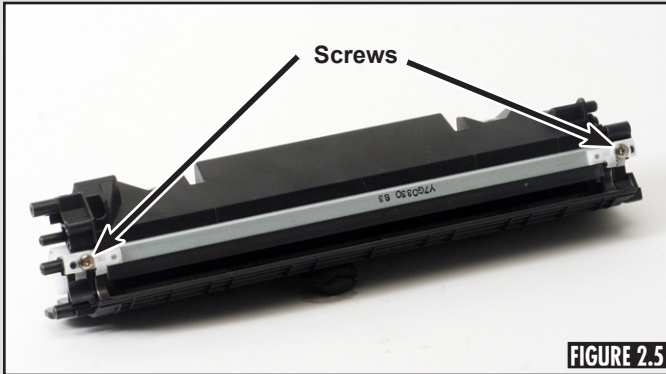


FIGURE 2.5

Remove the two screws securing the wiper tabs to the hopper as shown in Figure 2.5. Lift the tabs off of the doctor blade.

### STEP 2.6

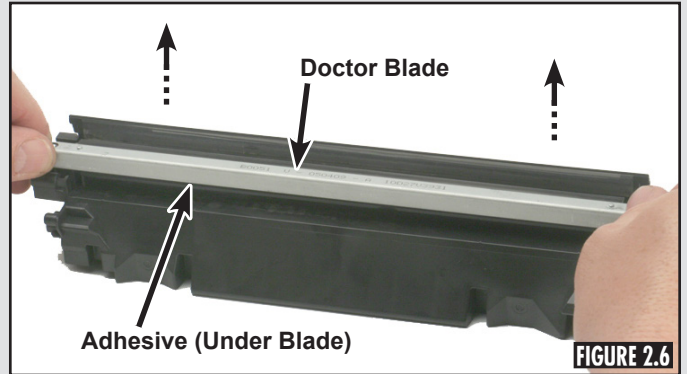


FIGURE 2.6

Slowly lift the doctor blade, being careful not to damage the adhesive under the blade (Figure 2.6). Inspect the doctor blade and clean or replace as needed. To clean, blow off with dry, filtered compressed air and wipe with a dry lint-free cloth.

### STEP 2.7

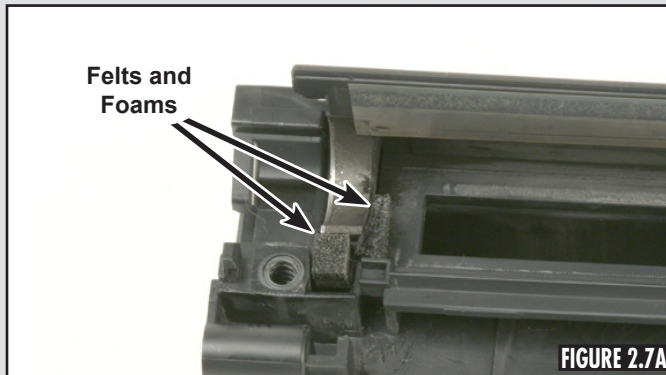


FIGURE 2.7A

Inspect the hopper to ensure all foams and felts are in good condition and replace as needed. See Figures 2.7A & 2.7B.

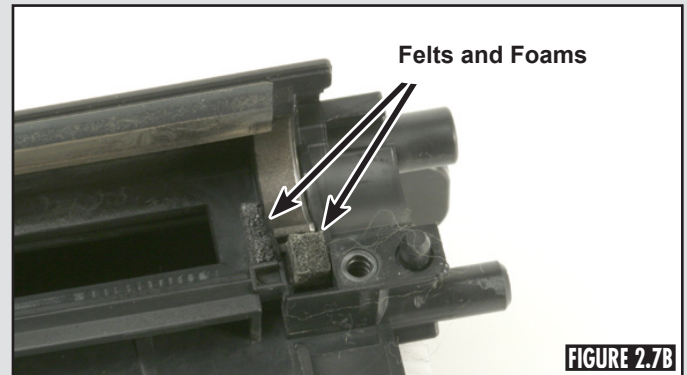


FIGURE 2.7B

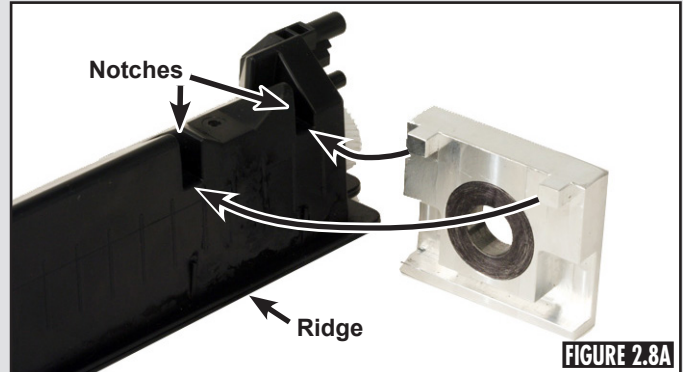


## SECTION 2: DISASSEMBLING THE TONER HOPPER

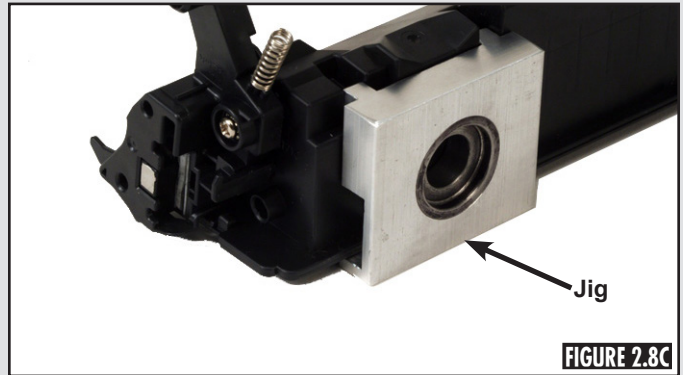
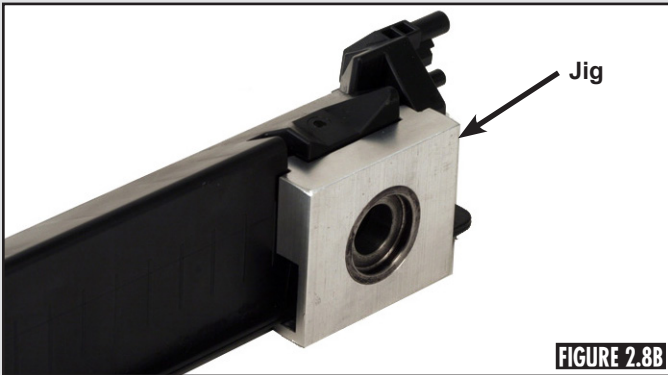


**Note:** Be sure to wear safety glasses while doing the following steps.

### STEP 2.8

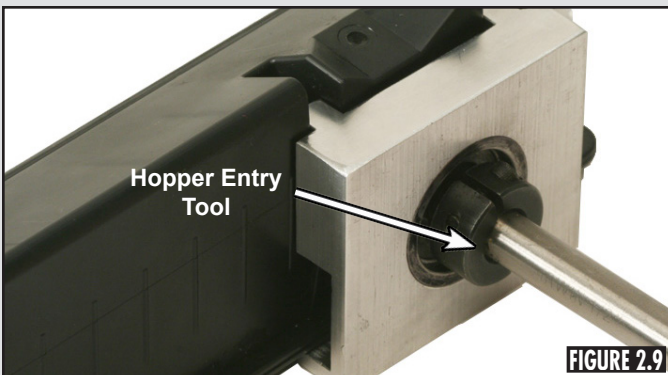


Align the jig with the ridge and notches of the hopper (Figure 2.8a), and place the hopper entry jig onto the hopper as shown in Figure 2.8B or 2.8C.



**Note:** The jig will fit on either end of the cartridge. See Figure 2.8B & 2.8C.

### STEP 2.9



Place the hopper entry tool into the jig, cut a hole as shown in Figure 2.9.





## STEP 2.10

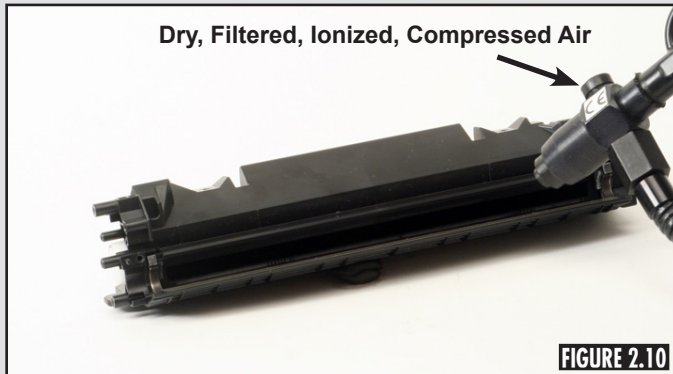


FIGURE 2.10

Using dry, filtered, ionized, compressed air remove any plastic shavings and remaining toner from the opening.



**Note:** See [SSS™#989](#) HP P1505 Rigid Seal for further information in order to seal the cartridge

## STEP 2.11

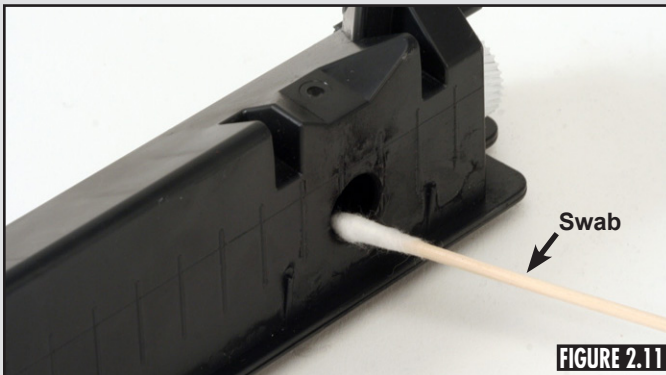


FIGURE 2.11

After the cartridge is sealed, fill the hopper with a qualified toner. Clean the surface around the toner port opening with 91-99% isopropyl alcohol on a cotton swab or dry, lint-free cloth as shown in Figure 2.11.

## STEP 2.12

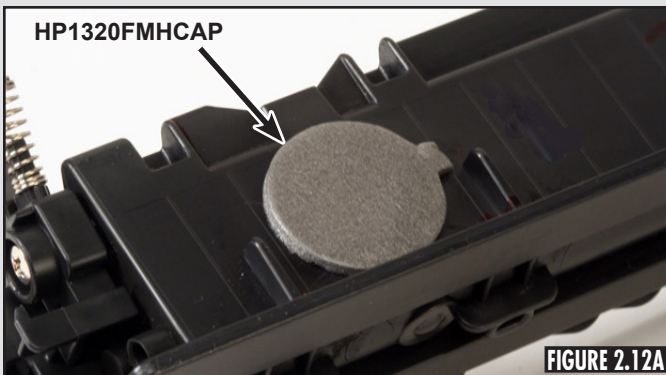


FIGURE 2.12A

Install the foam hopper cap (HP1320FMHCAP or HP26FMHCAP). See Figures 2.12A and 2.12B.

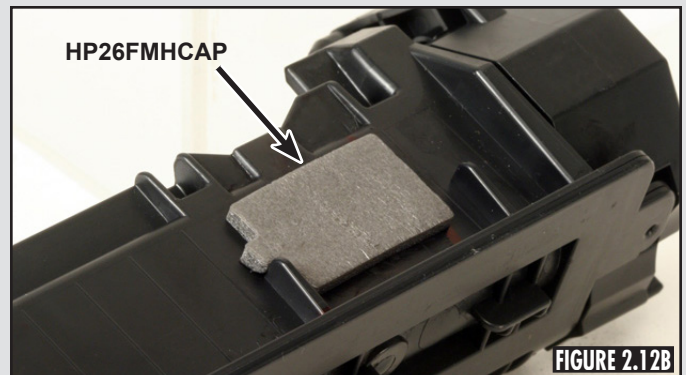


FIGURE 2.12B

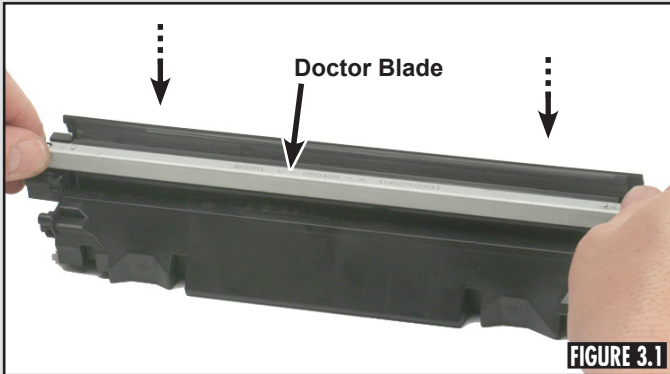


**Note:** Ensure hopper cap is centered over the hopper entry hole. Misalignment may result in toner leakage. Firmly press down to activate the pressure sensitive adhesive.



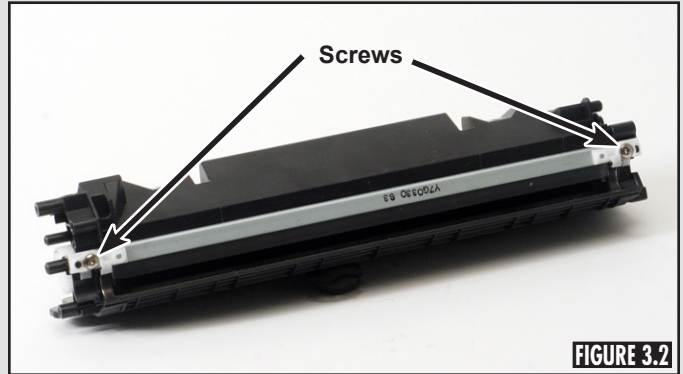
## SECTION 3: ASSEMBLING THE TONER HOPPER

### STEP 3.1



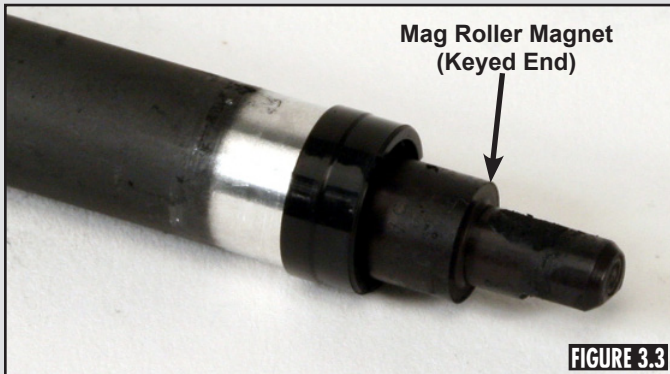
Install the doctor blade as shown in Figure 3.1.

### STEP 3.2



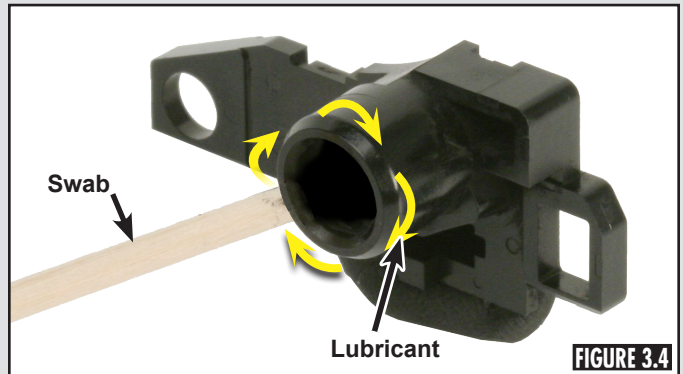
Install the two wiper tabs on the doctor blade. Ensure the correct wiper tab is installed on the appropriate side. Using a Phillips screwdriver, replace the two screws in the doctor blade, as shown in Figure 3.2.

### STEP 3.3



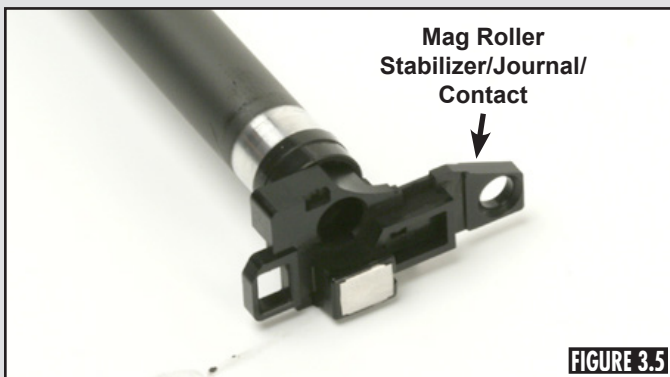
Ensure the magnet is installed with the keyed end exposed on the contact side as shown in Figure 3.3.

### STEP 3.4



Apply conductive lubricant to the outside diameter of the mag roller stabilizer contact as shown in Figure 3.4.

### STEP 3.5



Install the mag roller bushings onto the mag roller, then place the mag roller stabilizer/journal/contact onto the keyed end of the magnet as shown in Figure 3.5.

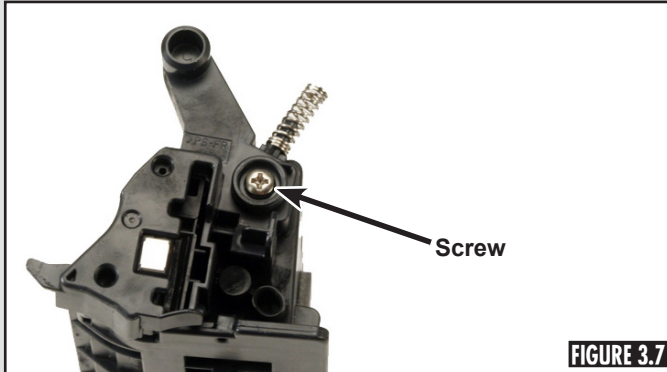
### STEP 3.6



Place into the hopper as shown in Figure 3.6.



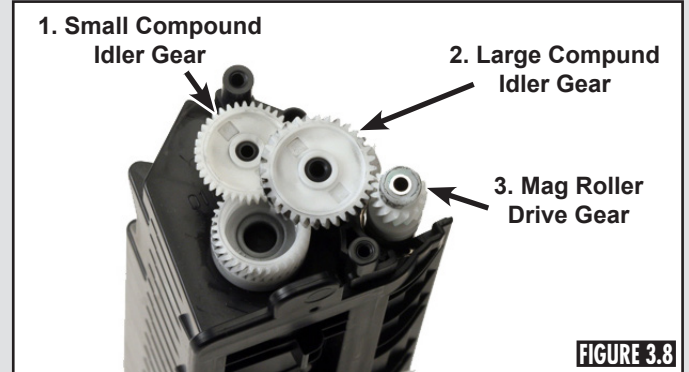
## STEP 3.7



**FIGURE 3.7**

Replace the contact side end plate and secure with a screw as shown in Figure 3.7.

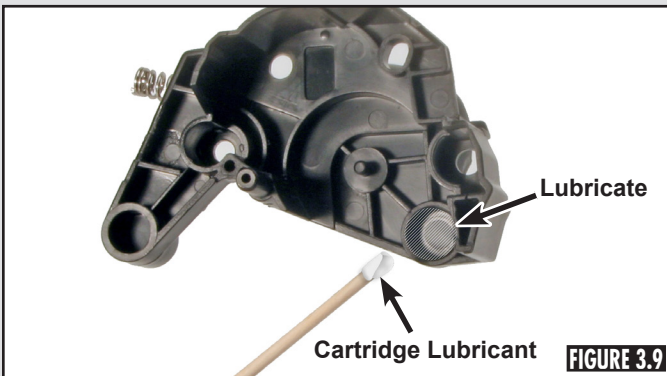
## STEP 3.8



**FIGURE 3.8**

Replace the small and large compound idler gears and the mag roller gear on the hopper in the order as shown in Figure 3.8.

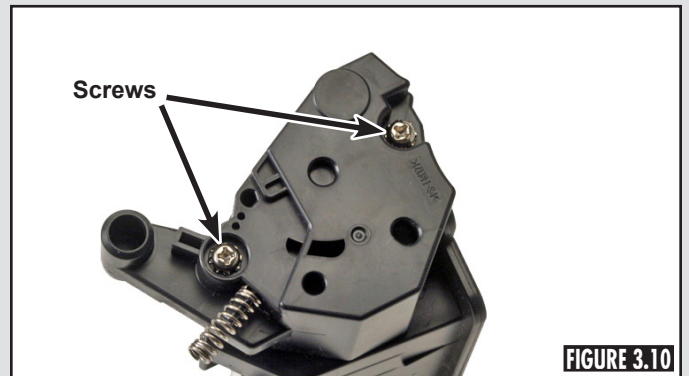
## STEP 3.9



**FIGURE 3.9**

Taking the gear side end plate, apply a small amount of cartridge lubricant to the mag roller gear recess (Figure 3.9).

## STEP 3.10



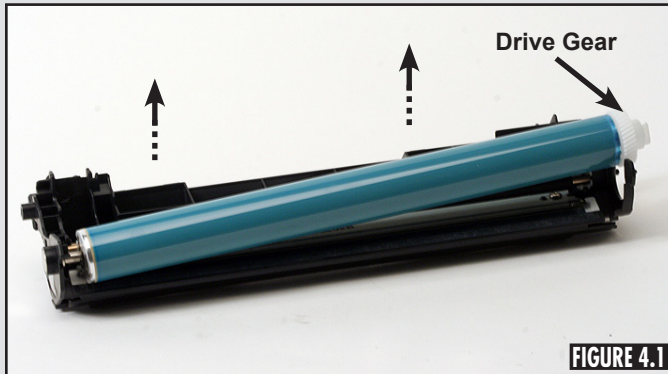
**FIGURE 3.10**

Replace the gear side end plate and secure with two screws as shown in Figure 3.10.



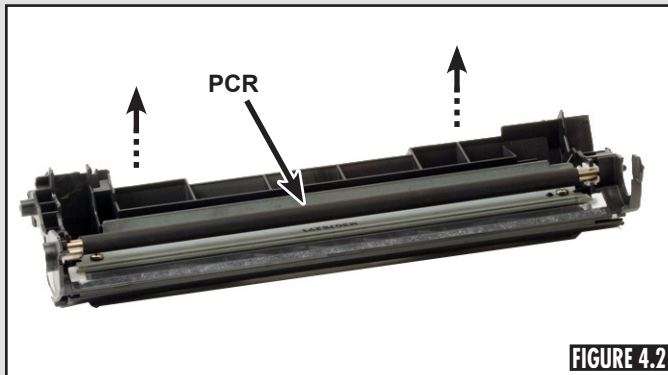


## STEP 4.1



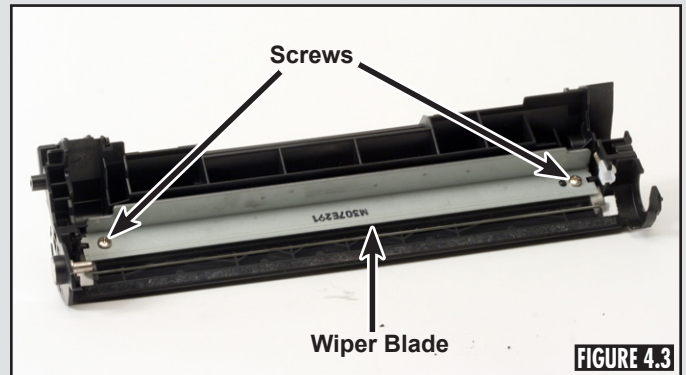
While holding the drive gear, lift and remove the OPC by twisting the drive gear end. See Figure 4.1.

## STEP 4.2



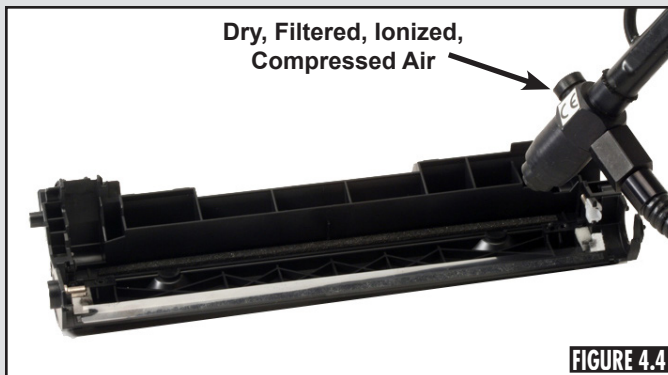
Lift the PCR from the PCR saddles as shown in Figure 4.2. Clean the PCR with deionized water and a lint-free cloth. Use 91-99% isopropyl alcohol for more difficult cleaning.

## STEP 4.3



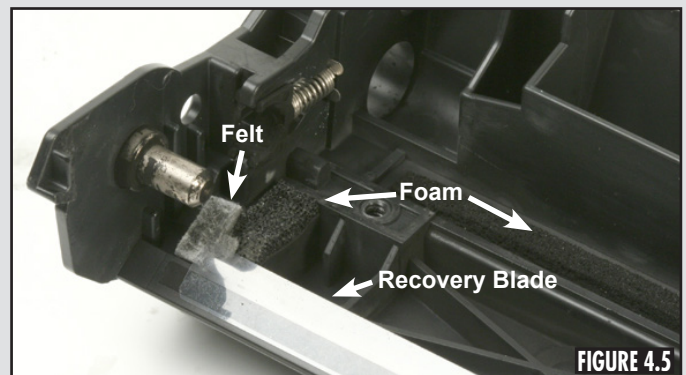
Using a Phillips screwdriver, remove the two screws from the wiper blade, as shown in Figure 4.3. Remove the wiper blade.

## STEP 4.4



Clean the waste bin with dry, filtered, ionized, compressed air as shown in Figure 4.4.

## STEP 4.5



Inspect the felts, foams and recovery blade for damage. Replace if necessary. See Figure 4.5.



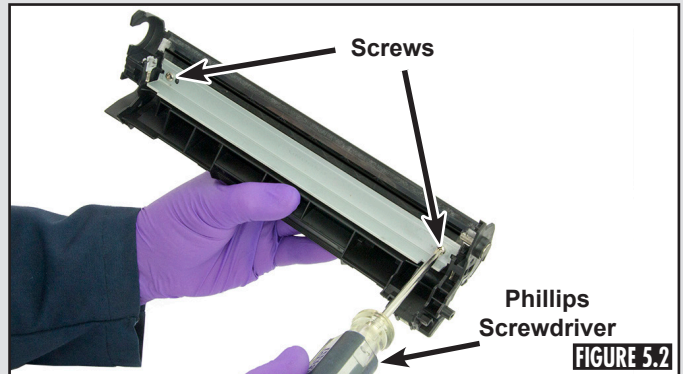
## SECTION 5: ASSEMBLING THE WASTE BIN

### STEP 5.1



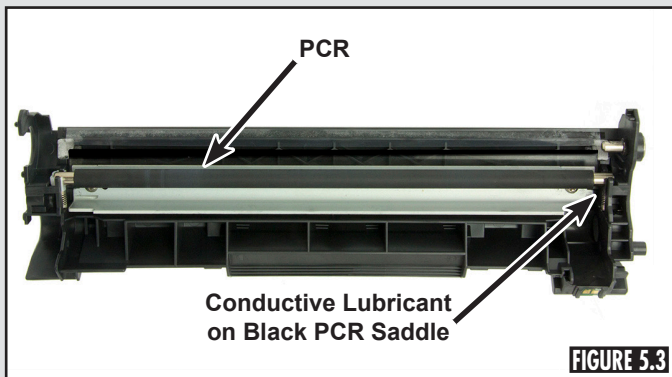
Dip the working edge of the replacement blade in approved black toner to lubricate the blade. Use dry, filtered, ionized compressed air to blow off any excess toner from the metal stamping (Figure 5.1).

### STEP 5.2



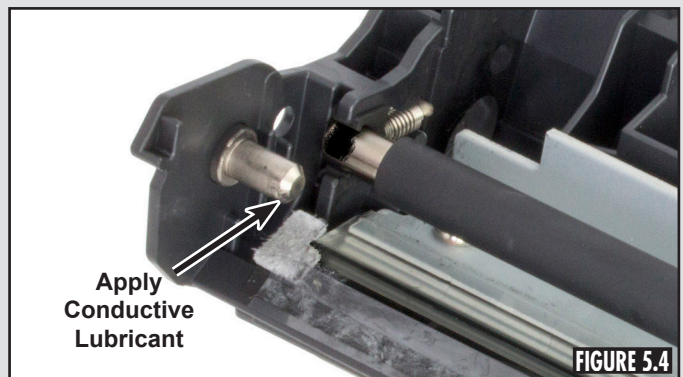
Install the wiper blade and secure with the two screws as shown in Figure 5.2.

### STEP 5.3



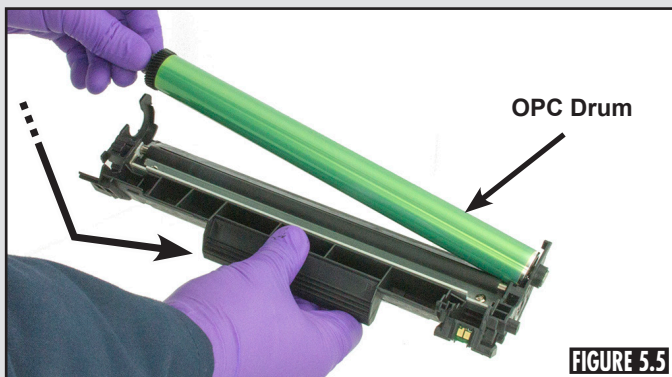
Using a lint-free swab, apply a small amount of conductive lubricant to the black PCR saddle (contact side). Place the PCR on the saddles and press the PCR down until the ends click into the saddles (Figure 5.3).

### STEP 5.4



Using a lint-free swab, apply a small amount of conductive lubricant to the end of the drum axle (Figure 5.4).

### STEP 5.5



Install the OPC drum into the waste bin starting with the contact side as shown in Figure 5.5.



**Note:** Drum lubrication on this drum is not recommended.





## STEP 5.6

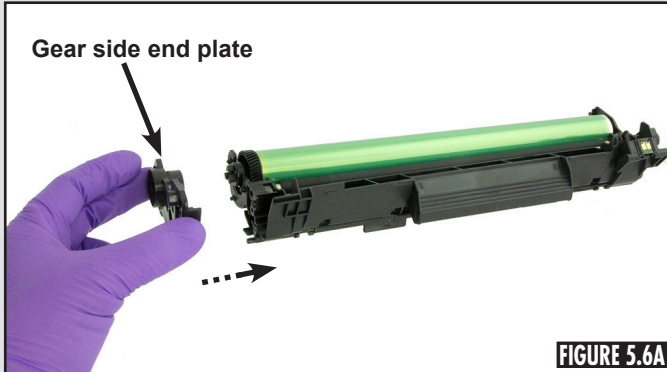


FIGURE 5.6A

To begin cleaning the PCR, install the gear side end plate without screws (Figure 5.6A and 5.6B).



FIGURE 5.6B

## STEP 5.7



FIGURE 5.7

Rotate the drum in the direction shown while wiping the PCR with a dry lint-free cloth (Figure 5.7).

## STEP 5.8

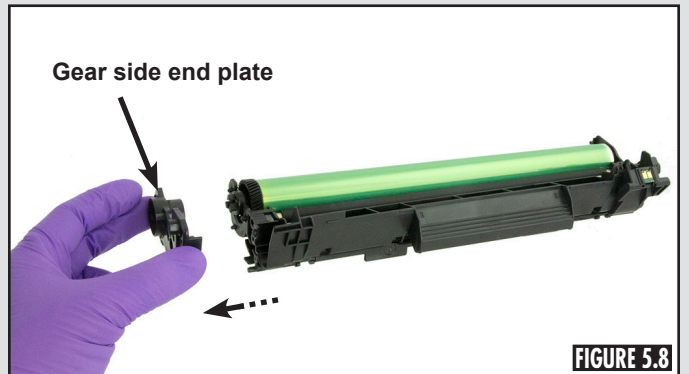


FIGURE 5.8

Once the PCR has been cleaned, remove the gear side end plate (Figure 5.8).



## SECTION 6: ASSEMBLING THE TWO SECTIONS

### STEP 6.1



FIGURE 6.1

Align bosses on the hopper to openings on the waste bin as shown in Figure 6.1.

### STEP 6.2

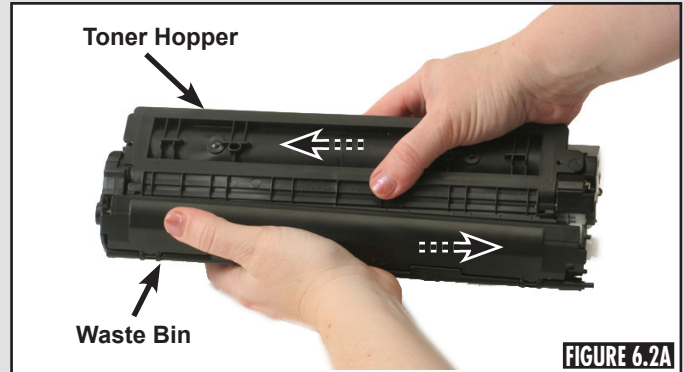


FIGURE 6.2A

Carefully slide the toner hopper and waste bin sections together as shown in Figure 6.2A. Verify proper placement of the hopper springs as shown in Figure 6.2B & 6.2C.

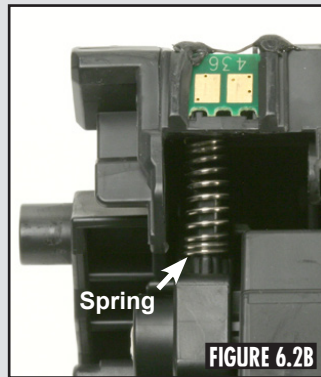


FIGURE 6.2B

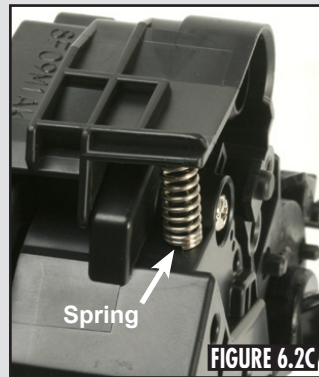


FIGURE 6.2C

### STEP 6.3

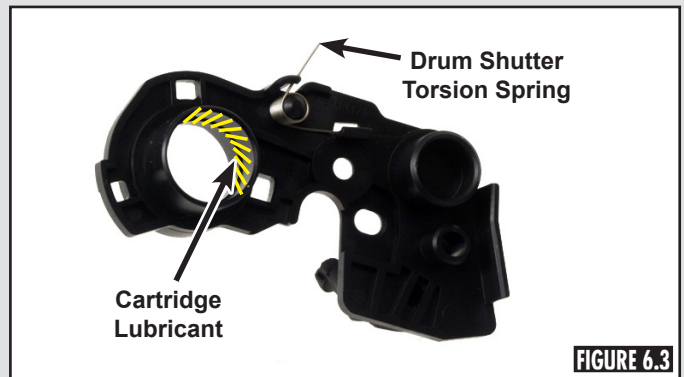


FIGURE 6.3

Apply cartridge lubricant to the area shown and install the gear side end plate onto the cartridge. Ensure the drum shutter torsion spring is in the position shown in Figure 6.3.

### STEP 6.4

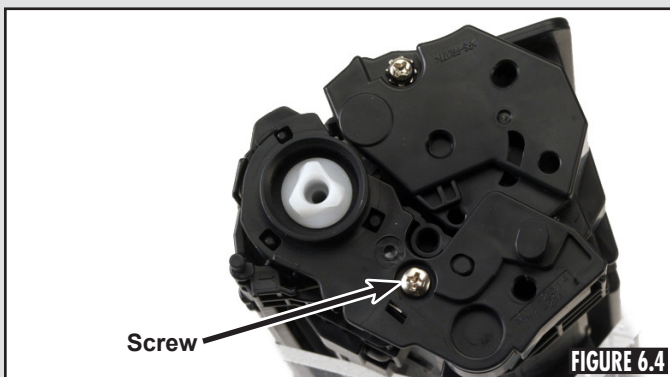


FIGURE 6.4

Using a Phillips screwdriver, install the screw into the gear side end plate. See Figure 6.4.



**Note:** Move the shutter to the open position to engage the spring and release to ensure the shutter closes.



**Note:** Install the chip. Refer to [SSS™#1017](#) for complete chip installation instructions.



### 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.
- Employers should not allow employees to use compressed air for cleaning themselves or their clothing. The eyes and other body parts, such as the respiratory system, may be damaged as the result of inadequate personal protective equipment, lack of chip guards, and/or uncontrolled release of compressed air.

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## DEDICATION TO TRAINING

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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

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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

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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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