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Version 1 - August 2005
SYSTEM SUPPORT SERIES™

Xerox® Phaser® 5400

Reference Info

The Xerox Phaser 5400 was released in October of 2001 in the US. The three models are the 5400n which is network ready. The 5400dt which is the n model with the duplex feature and an additional paper tray. The 5400dx is the same as the dt model with a second additional paper tray and an internal hard disk.

These cartridges are chipped. The chip sits inside the hopper cap. It is an RF type chip, and it is not a killer-type chip. The Hopper cap will become damaged when removed from the cartridge.

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.

CARTRIDGE REMANUFACTURING INSTRUCTIONS FOR:

XEROX PHASER® 5400; FUJI-XEROX® DOCUPRINT® 360/260

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GO TO WWW.SCC-INC.COM

For the latest cartridge information
Click on "Online Engine Center"

Other System Support Series™ documents available in Adobe® Acrobat® format

QUESTIONS?

Please call one of our main numbers and ask for your Support Team Representative or E-mail us at:

US AND CANADA
info@scc-inc.com

UK
info@scceurope.co.uk

Purpose of this SSS

The purpose of this SSS is to provide you a guide and the basic information needed to remanufacture a Xerox Phaser® 5400. This SSS contains information about:

- Separating the two sections.
- Disassembling each section.
- Basic cleaning.
- Reassembling the cartridge.

Your cartridge might have been changed by the original equipment manufacturer (OEM) and include parts or features which are not described in this documentation. The documentation might be updated occasionally to include information about those changes, or technical updates might be available from the SCC Web site.

Before you begin, read the entire SSS to familiarize yourself with the procedures and take notes.

Be sure to follow all necessary safety precautions while working with tools, and chemicals, such as toner and alcohol.

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

Statement 1:

Always wear eye protection while operating power tools.

Statement 2:

Always wear eye protection and protective clothing while working with toner and or other chemicals.

Statement 3:

Do not swallow or ingest toner, isopropyl alcohol, toner dust, or any chemicals or materials used in the process of remanufacturing

Needed Tools & Supplies

For Basic Remanufacturing:

- Phillips Screwdriver
- Needle nose Pliers
- Compressed Air for Cleaning
- 91%-99% Isopropyl Alcohol
- Lint-Free Foam Tip Swab (LFSWAB)
- Lint-Free Cleaning Cloth (LFCCLOTH)
- Low RPM Drill
- Funnel For Toner Bottle
- Safety Glasses
- Small Flat Blade Screwdriver
- Kynar Powder (KPOW)
- Hopper Jig (X2025HJIG)
- Conductive Cartridge Lube (CONCLUBE)
- Replacement Pins (X5400CARTPIN)

The following table is summary of the Xerox Phaser® 5400 cartridge specifications. This information was obtained from the OEM's web site and is considered to be the most up to date information at the time of printing.

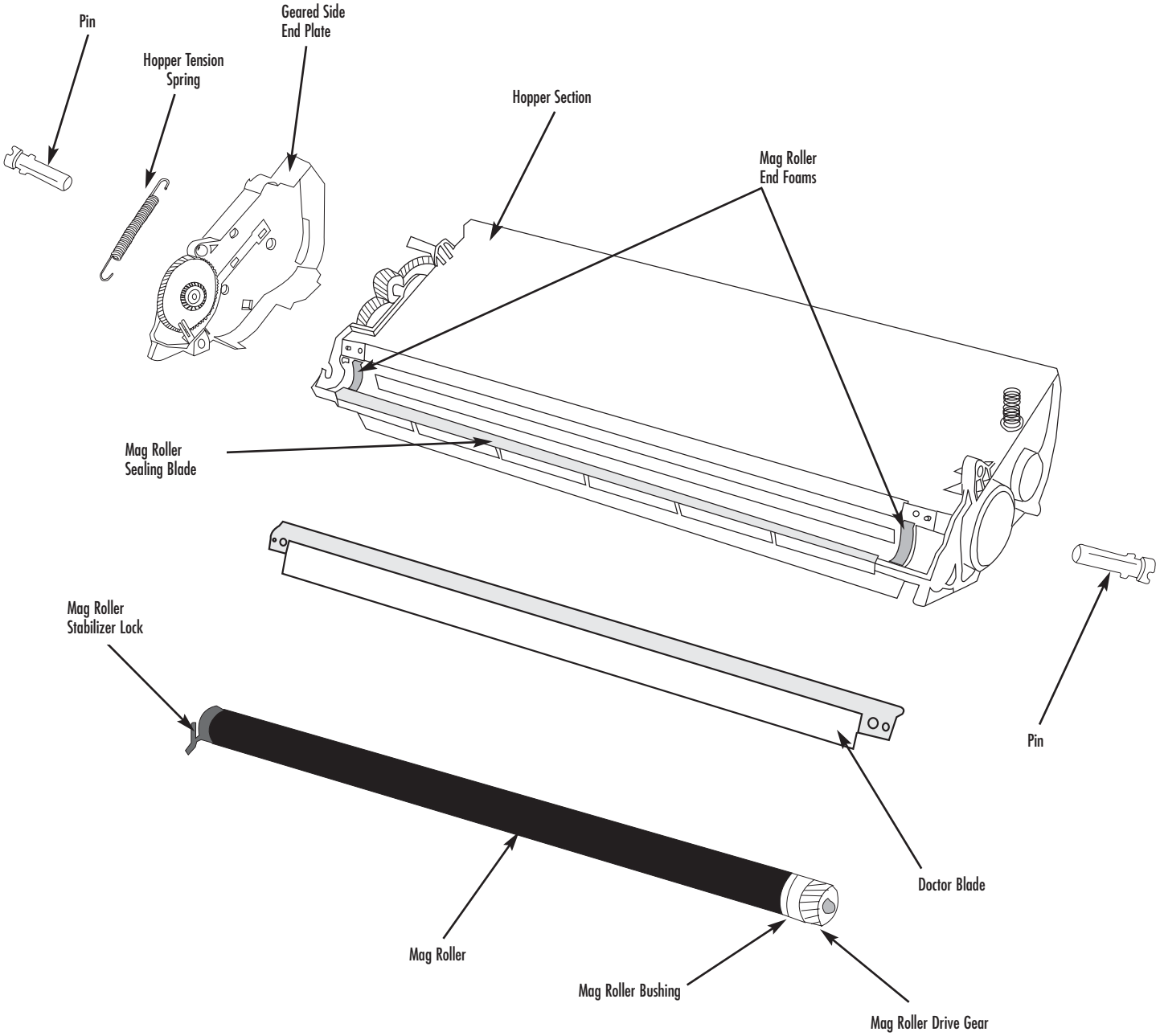
Printer Information	**Xerox Phaser® 5400n**	**Xerox Phaser® 5400dt**	**Xerox Phaser® 5400dx**
Printer Introduction Price	$1,249	$2,699	$3,599
Processor	266MHz	266 MHz	266 MHz
First page	9 seconds	9 seconds	9 seconds
Memory	32 MB to 192 MB	32 MB to 192 MB	64 MB to 192 MB
Duplex	Optional	Standard	Standard
Engine Information			
Print Resolution (dpi)	600x600/1200x1200/1	600x600/1200x1200/1200IQ	600x600/1200x1200/1200IQ
Print Speed (pages per minute)	40 ppm	40 ppm	40 ppm
Duty Cycle (pages per month)	200,000	200,000	200,000

Cartridge Information Table

The following is a summary of the cartridge information for the Xerox Phaser® 5400 series printer and printer cartridge.

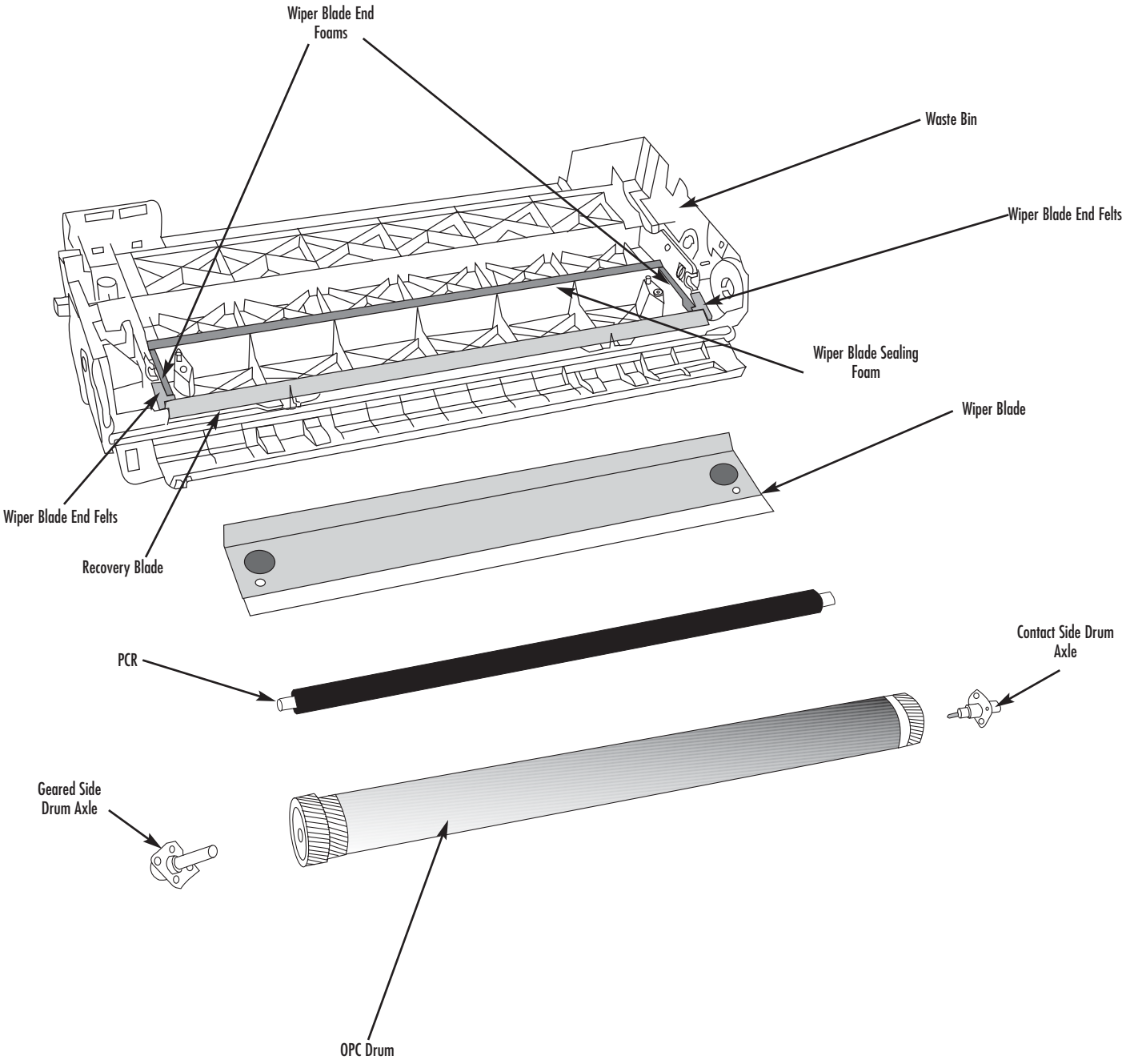
Cartridge Information	**Toner**	**Maintenance Kit**
Cartridge Part Number	113R00495	109R00521
OEM Rated Page Yield	20,000	200,000
OEM MSRP	$210	$275

* Prices as of December 2004



Toner Hopper Assembly

product wirelines



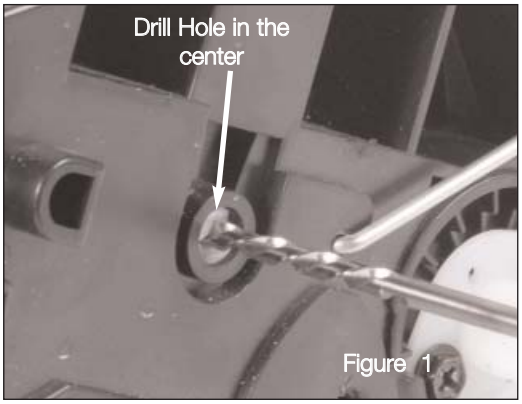
Waste Bin Assembly

product wirelines

Separating the two sections

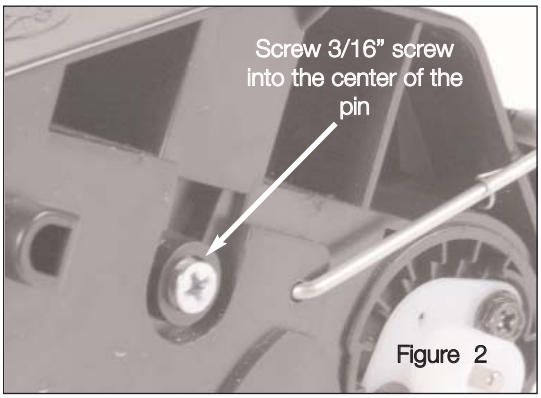
REMANUFACTURING THE **XEROX® 5400**

1. Using a low rpm drill with a 1/8” bit, drill into the center of the plastic pins on each side of the cartridge as shown in Figure 1.



Drill into the center of each pin.

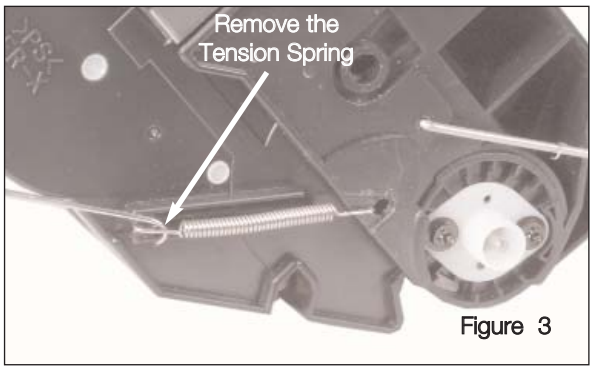
2. Screw a 3/16” screw into the drilled opening in the pin, as shown in Figure 2. Using needlenose pliers grasp the screw and rotate the screw Counter-Clockwise to release the pin from the cartridge.



Remove the plastic pins using a 3/16” screw.

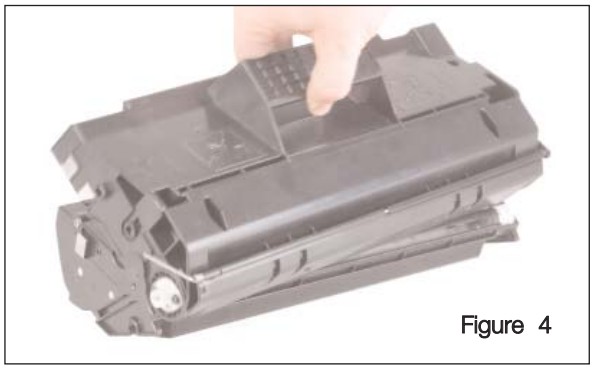
Note: Do Not re-use the OEM cartridge pins. SCC offers a replacement pin.

3. Using a hook tool, remove the Tension Spring as shown in Figure 3.



Remove the Tension spring.

4. Separate the two sections, as shown in Figure 4.



Separate the two sections.

Disassembling the Toner Hopper Section

1. Remove the two screws from the gear side end plate, as shown in Figure 5. Then remove the end plate.

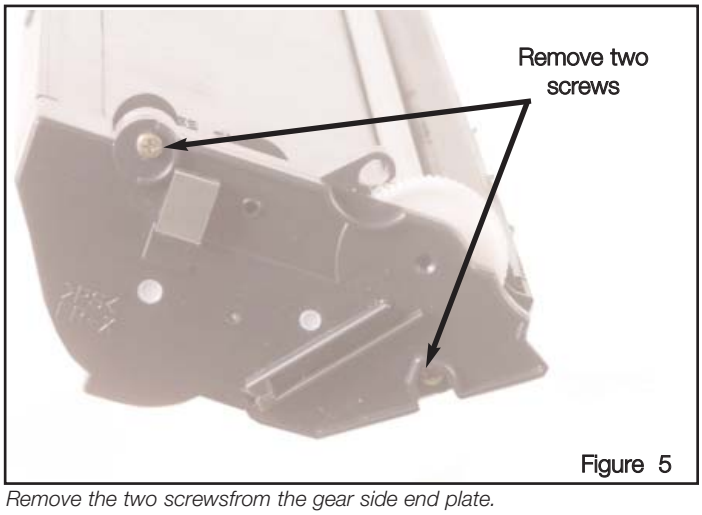


Figure 5

Remove the two screwsfrom the gear side end plate.

2. Release the Mag Roller Stabilizer Lock, see Figure 6. SCC offers a replacement Mag Roller Stabilizer Lock.

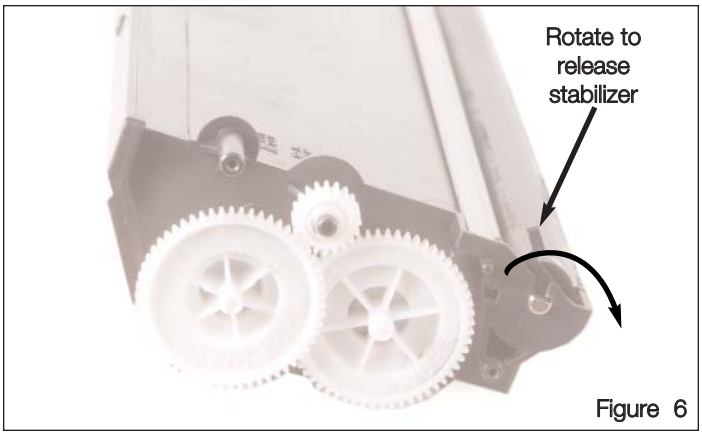


Figure 6

Rotate Mag Roller to release stabilizer.

3. Lift out the Mag Roller, see Figure 7.

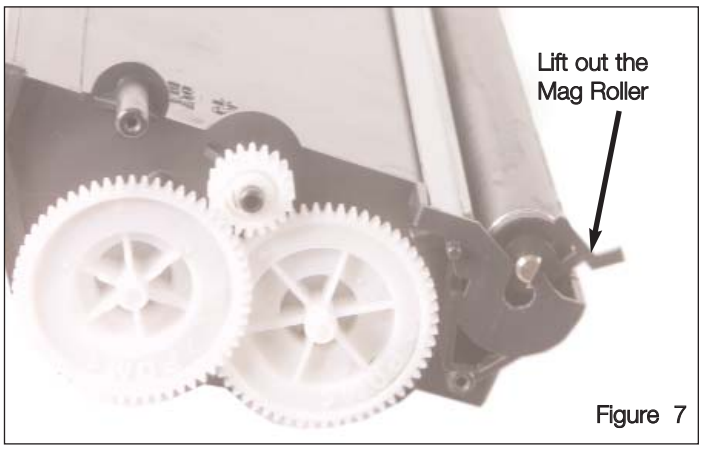
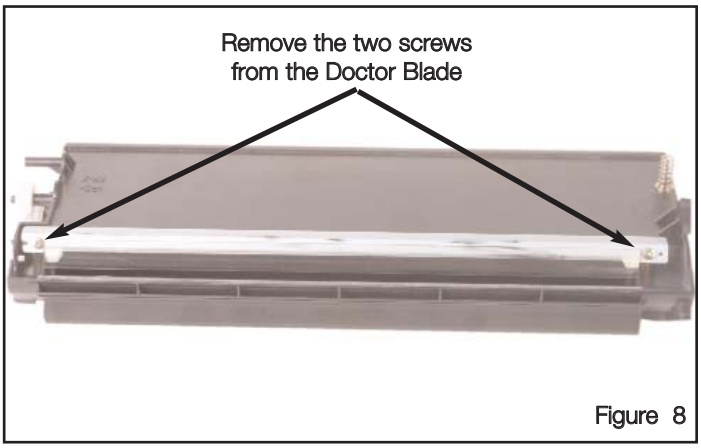


Figure 7

Lift out the Mag Roller.

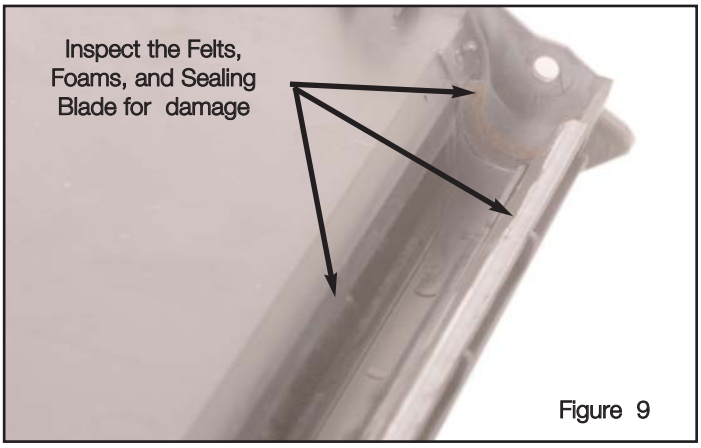
Disassembling the Toner Hopper Section

4. Remove the two screws from the Doctor Blade, see Figure 8. Then remove the Doctor Blade from the Hopper.



Remove the two screws from the Doctor Blade.

5. Clean the Toner Hopper using dry, filtered compressed air; then inspect the Felts, Foams, and the Mag Roller Sealing Blade in the Toner Hopper section for wear, tears, or damage of any kind, as shown in Figure 9.

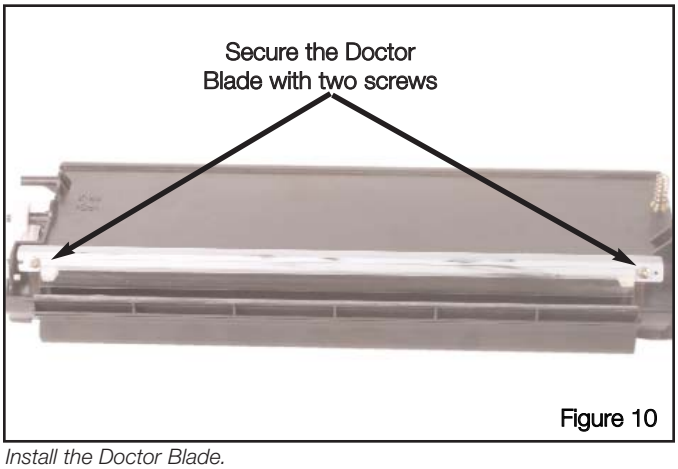


Inspect the felts foams and Sealing Blade in the Toner Hopper section.

1. Fill the Hopper section with qualified toner, through the Mag opening.

Note: For instructions on "Filling a Sealed Hopper" please refer to SSS™ # 763, for complete Filling and Sealing instructions.

2. Install the Doctor Blade, and secure with two screws, as shown in Figure 10.

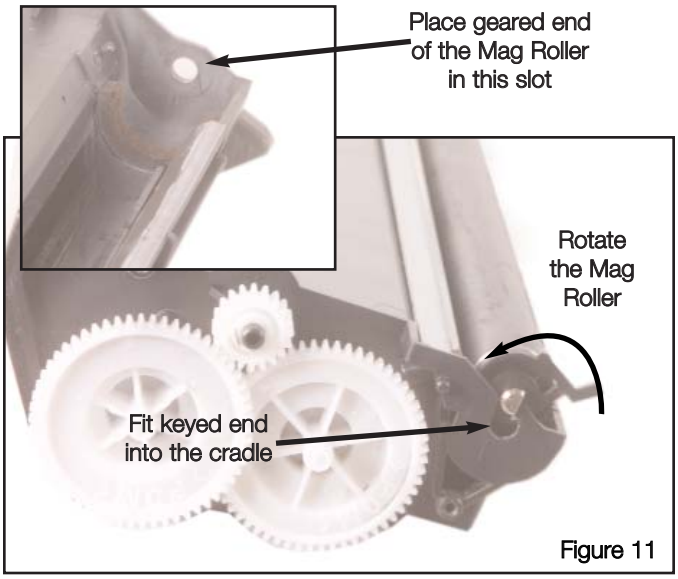


Install the Doctor Blade.

3. Install the Mag Roller.

   a.. Place the Geared End of the Mag Roller into the Hopper.

   b. Place Contact end of Mag Roller into the cradle, and rotate the Mag Roller Stabilizer Lock into the Toner Hopper, as shown in Figure 11.



Install the Mag Roller.

4. Attach the geared side end plate, as shown in Figure 12.

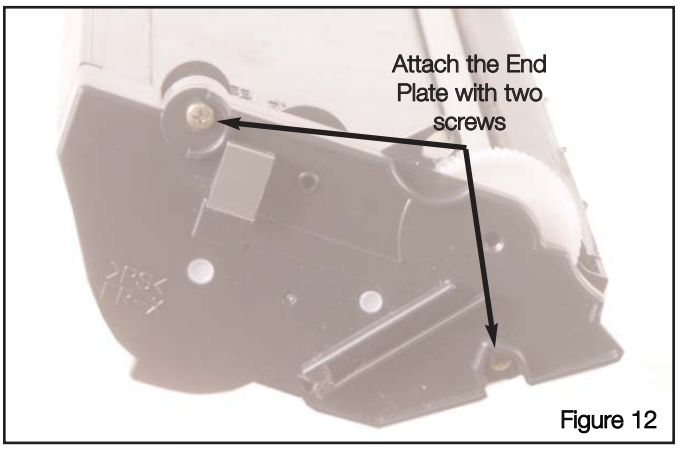
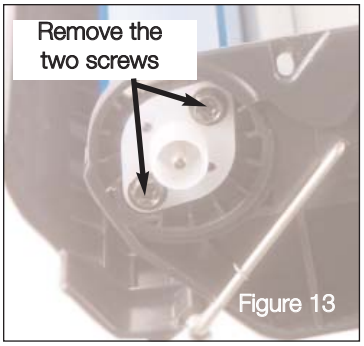
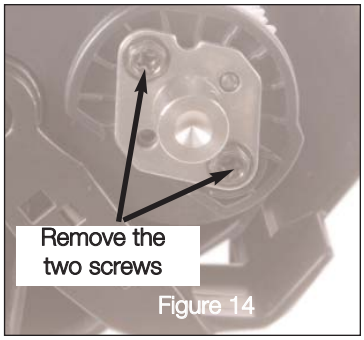


Figure 12

Attach the geared side end plate.

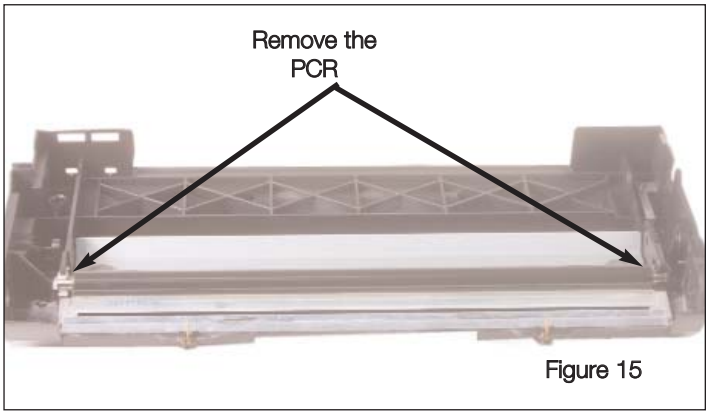
1. Remove the two screws from each side of the Drum and remove the Drum from the cartridge, see Figures 13 and 14.





Remove the two screws on each side of the Drum.

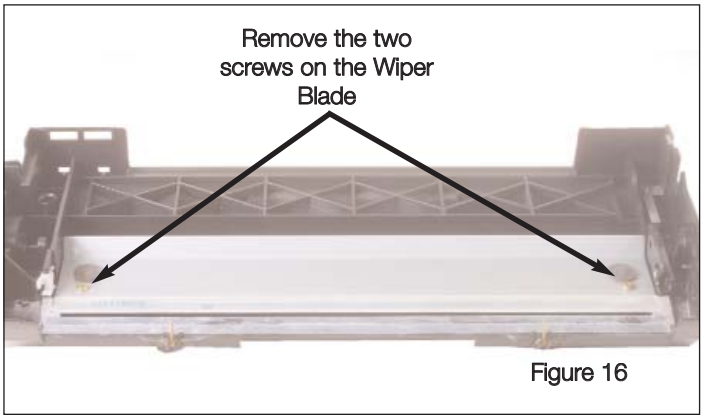
2. Using needlenose pliers, remove the PCR from the Waste Bin by the metal shafts, see Figure 15.



Remove the PCR by the metal shafts.

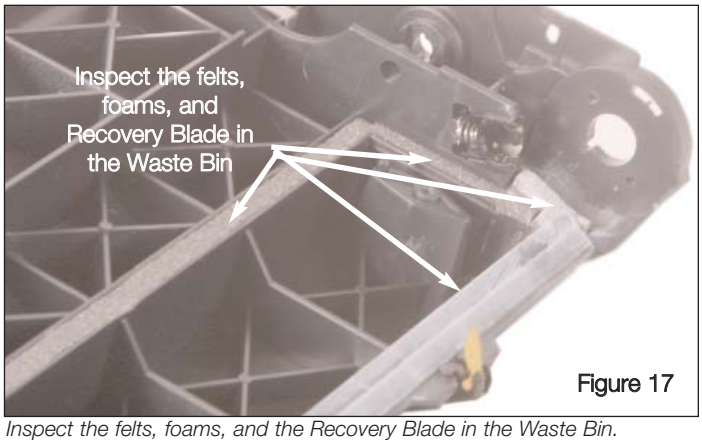
3. Remove the two screws from the Wiper Blade and then remove the Wiper Blade from the Waste Bin, see Figure 16.

4. Clean the excess Toner from the Waste Bin, using dry filtered compressed air.



Remove the Wiper Blade from the Waste Bin.

5. Inspect the felts, foams, and the Recovery Blade in the Waste Bin, as shown in Figure 17.



Inspect the felts, foams, and the Recovery Blade in the Waste Bin.

1. Install the Wiper Blade, and secure with the two phillips screws, as shown in Figure 18. Be sure to dip the working edge in trough of Kynar™ Powder. Tap the metal stamping with a screwdriver to knock off any excess.

Note: Be sure to apply conductive lube to the black PCR saddle.

Note: Clean the PCR by wiping with a lint free cloth dampened with water.

2. Install the PCR into the PCR saddles, be sure the metal shafts of the PCR snap into the saddles, see Figure 19.

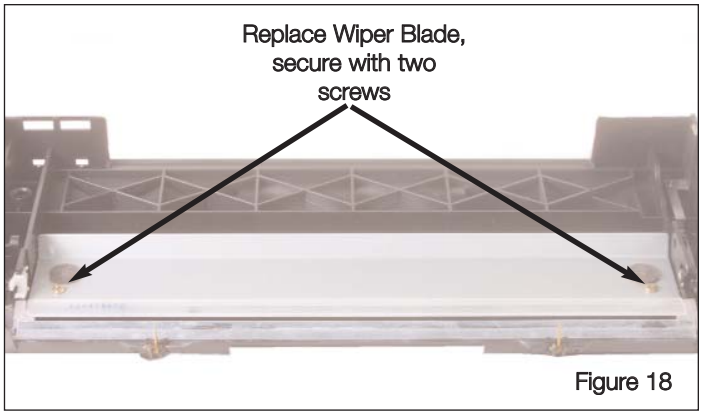


Figure 18

Install the Wiper Blade and secure with two screws.

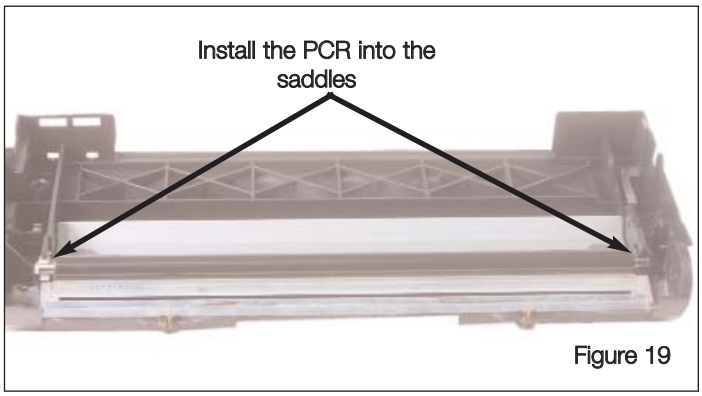
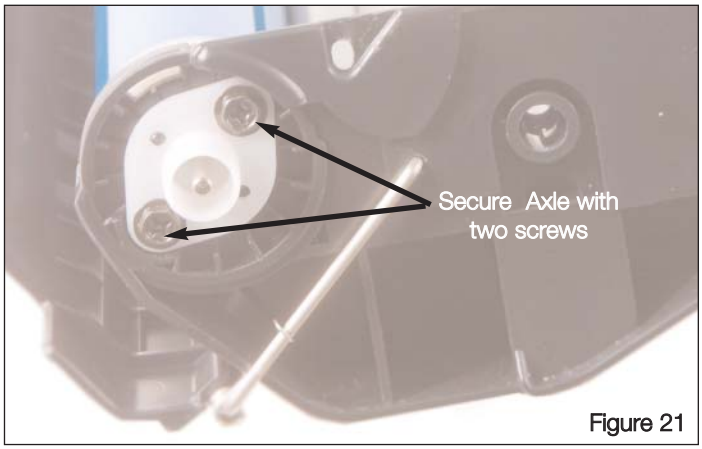


Figure 19

Install the PCR.

3. Install the Drum into the Waste Bin. Secure the two Drum Axles with the screws removed while dissassembling, see Figures 20 and 21.

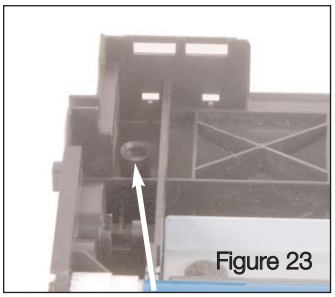
Secure the metal Drum Axle to the Drum.



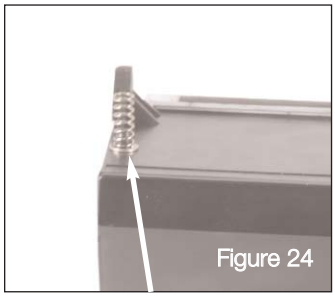
Secure the plastic Drum Axle to the Drum.

1. Attach the two sections, as shown in Figure 22.

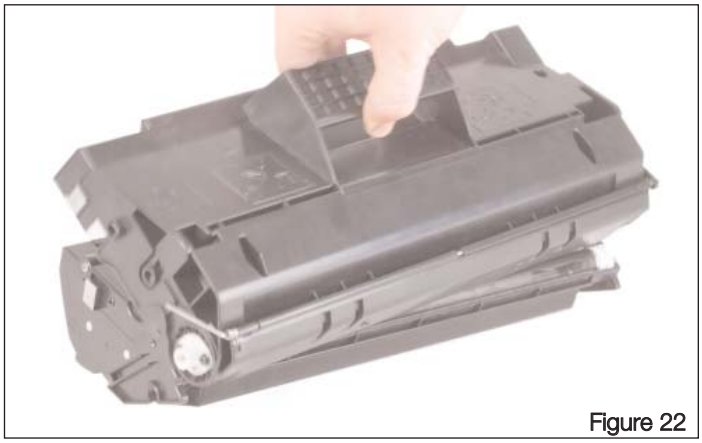
   Note: Be sure to fit the Hopper Tension Spring on the Hopper in the hole in the Waste Bin, see Figures 23 and 24 for location.



Fit Spring in slot

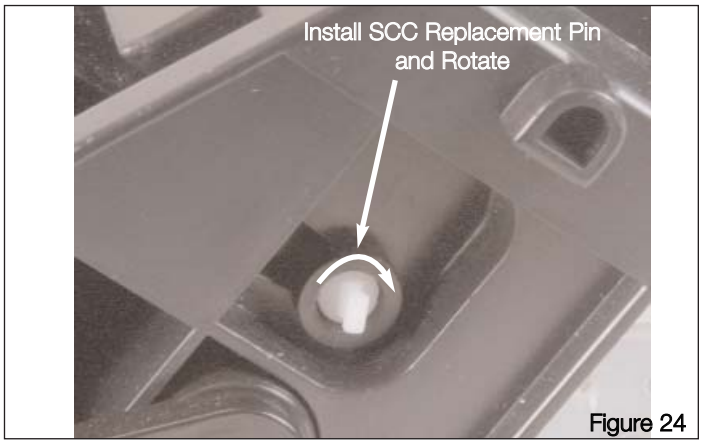


Spring



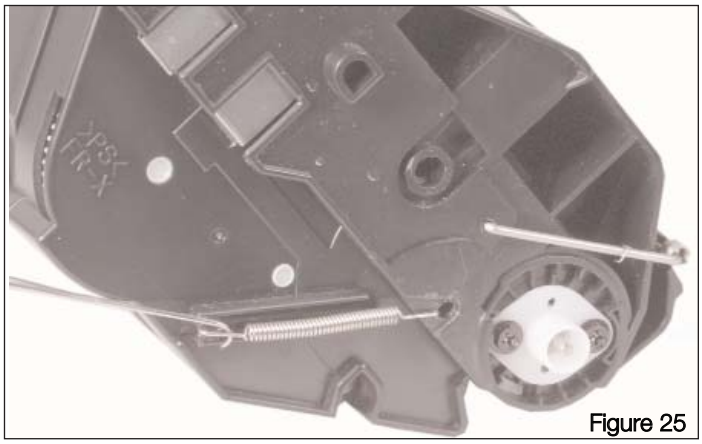
Attach the two sections

2. Install the SCC replacement pins into each side of the cartridge- and rotate clockwise to secure the two sections, see Figure 24.



Install SCC replacement pins.

3. Attach the tension spring to the Contact Side of the cartridge, as shown in Figure 25.



Attach the tension spring to the Contact side of the cartridge.

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The development of cartridge imaging systems is the primary mission of our Imaging Labs. Through extensive testing and research, we develop the optimum combination of matched components for each cartridge system. Our engineering and manufacturing expertise provides us with total control in design, quality and development to produce products from the ground up. The result is a system of components that seamlessly work together in each cartridge application.

This dedication and commitment results in integrated cartridge systems 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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