

LICENSE AGREEMENT

Static Control Components, Inc. (Static Control) grants this limited license to the person, firm or corporation (hereinafter "User") downloading electronically or by printing this file to use Static Control's copyrighted documents in accordance with the terms of this agreement. If you agree with the terms of the license then you may download this information. If you do not agree with the terms of the license, then you are not authorized to use this information, and any use of it may be in violation of Static Control's copyrights or trademarks.

TRADEMARKS

The Static Control material herein may make reference to its own trademarks, or trademarks of others. Static Control grants a limited license to the User to use Static Control's trademarks in its internal documents and for its internal purposes on the following terms and conditions. Any use of Static Control's trademark must be used in a context which makes it clear that the product reference is a Static Control Components, Inc. product, and not a product from any source. The materials provided to the User may include reference to trademarks of others. Any use of the User makes of these marks should reference the owner of those marks. Nothing in this agreement constitutes any authorization by Static Control to use any of these trademarks in any context.

COPYRIGHTS

Static Control grants a limited license to the User to use the attached copyrighted documents. The permitted use of these documents is limited to internal purposes and needs of the company. The company is prohibited from using these copyrighted documents, or any part of them, including graphic elements, in any materials that are used outside the physical business location of the User. The User is prohibited from using any materials in any documents whether printed or electronic, which are distributed to any third party. The use of these copyrighted documents, or parts of them, including graphic elements, from these documents in marketing material, either print, electronic or web is prohibited. The sale, transfer, copying of these documents or any parts of these documents to any other party is prohibited.

Static Control Components, Inc. retains all rights to its copyrighted documents, and any use of these documents by User should reference Static Control's copyrights, with the notice "copyright Static Control Components, Inc."

Static Control reserves the right to cancel this license on 30-days written notice. All of the User's material incorporating Static Control's copyrighted documents shall be destroyed upon receipt of its notice of termination.

The User may not distribute, share, and otherwise convey the copyrighted documents to any other persons, corporations or individuals.

The User, by use of these documents, acknowledges Static Control's copyright in these materials.

STATIC CONTROL DOES NOT GUARANTEE OR WARRANT DOWNLOADED INFORMATION

The information User is downloading is published by Static Control in "as is" condition "with all faults". Static Control makes no representations or warranties of any kind concerning the quality, safety, or suitability of the downloadable materials, either express or implied, including without limitation any implied warranties of merchantability, fitness for a particular purpose, or non-infringement. Further, Static Control makes no representations or warranties as to the truth, accuracy or completeness of any statements, information or materials concerning items available for download. In no event will Static Control be liable for any indirect, punitive, special, incidental, or consequential damages however they may arise even if Static Control has been previously advised of the possibility of such damages.



Konica® Minolta® magicolor® 2400 DL
Toner Cartridge

Reference Info

The Konica®Minolta® magicolor® 2400 was released in January, 2005 and was targeted at home users and small businesses. Print speeds are comparable to other printers at 20 ppm for monochrome and 5 ppm in full color. Ships with 1.5k toner cartridges. Replacement cartridges are available with 1.5k (color only) and 4.5k (color & black). There is a separate drum unit rated at 11,250 pages (color) and 45,000 pages (mono).

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.

CARTRIDGE REMANUFACTURING INSTRUCTIONS FOR: KONICA® MINOLTA® MAGICOLOR® 2400/2430/2450, 2480/2500/2530, 2550/2490 DL AND XEROX® PHASER® 6120 TONER CARTRIDGE

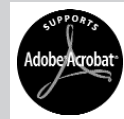
TABLE OF CONTENTS

ADDITIONAL TOOLS & SUPPLIES	2
INTRODUCTION	2
CARTRIDGE SPECIFICATIONS	3
DISASSEMBLING THE TONER CARTRIDGE	5
REASSEMBLING THE TONER CARTRIDGE	8

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

WWW.SCC-INC.COM

US AND CANADA 800.488.2426 • INTERNATIONAL 919.774.3808 • EUROPE +44 (0) 118.923.8800

US/CAN FAX: 800-488-2452 • INTERNATIONAL FAX 919-774-1287



Purpose of this SSS

The purpose of this SSS is to provide you a guide and the basic information needed to remanufacture a Konica® Minolta® magicolor® 2400 DL Toner Cartridge. This SSS contains information about:

- Disassembling the cartridge
- 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.

Visit www.scc-inc.com/Library/ to check for updated documentation and technical updates:

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

Additional Tools & Supplies

Additional Items:

- Hopper Cap (PCHCAP)
- Qualified Toner
- Chip

For Basic Remanufacturing:

- Phillips Screwdriver
- Cotton Swab (QTIP)
- Small Flat blade Screwdriver
- Compressed Air for Cleaning
- Lint-Free Cleaning Cloth (LFCLOTH)

The following is a summary of the cartridge information for the Konica® Minolta® magicolor® 2400 DL Toner Cartridge.

Cartridge Information (Standard/High Capacity)	Cyan	Magenta	Yellow	Black	Drum Unit
Cartridge Part # (OEM)	1710587-003 1710587-007	1710587-002 1710587-006	1710587-002 1710587-005	*No standard black found 1710587-004	1710591-001
OEM Rated Page Yield	1,500/4,500	1,500/4,500	1,500/4,500	N/A/4,500	11,250 color 45,000 black
OEM MSRP*	\$70/\$130	\$70/\$130	\$70/\$130	\$85	\$149
OEM Wholesale*	\$61/\$112	\$61/\$112	\$61/\$112	\$74	\$125

Prices as of January 2006.

The following table is a summary of the Konica® Minolta® magicolor® toner 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	2400W	2430DL	2480MF	2500W	2530DL
Printer Introduction Price	\$399	\$499	\$699	\$299	\$399
First page	21 color 12 mono	21 color 12 mono	21 color 12 mono	21 color 12 mono	21 color 12 mono
Memory	32 MB 32 MB	32MB 544MB	96MB	32MB	64MB 576MB
Duplex	Manual	Manual w/ auto option	Manual	Manual	Manual
Engine Information					
Print Resolution (dpi)	2400 x 600	2400 x 600	2400 x 600	2400 x 600	2400 x 600
Print Speed (pages per minute)	5 color 20 mono	5 color 20 mono	5 color 20 mono	5 color 20 mono	5 color 20 mono
Duty Cycle (pages per month)	35,000	35,000	35,000	35,000	35,000

Prices as of October 2006.

The following is a summary of the cartridge information for the Xerox® Phaser® 6120 Toner Cartridge.

Cartridge Information (Standard/High Capacity)	Cyan	Magenta	Yellow	Black	Imaging Unit
Cartridge Part # (OEM)	113R00689 113R00693	113R00691 113R00695	113R00690 113R00694	*No standard black found 113R00692	108R00691
OEM Rated Page Yield	1,500/4,500	1,500/4,500	1,500/4,000	N/A/4,500	10,000 color 20,000 black
OEM MSRP*	\$66/\$140	\$66/\$140	\$66/\$140	\$79	\$156
OEM Wholesale*	N/A	N/A	N/A	N/A	N/A

Prices as of October 2006.

The following table is a summary of the Xerox® Phaser® 6120 Toner 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.

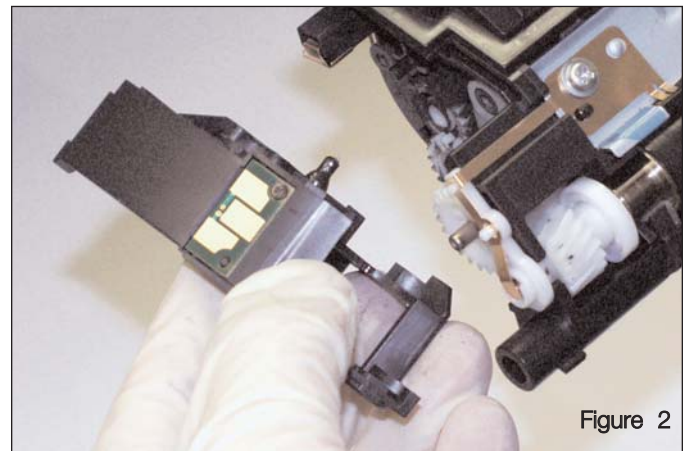
Printer Information	Xerox® Phaser® 6120
Printer Introduction Price	\$499
First page	22 color / 13 mono
Memory	128 MB/ 640 MB
Duplex	Manual with Auto Option
Engine Information	
Print Resolution (dpi)	600 x 600
Print Speed (pages per minute)	5 color / 20 mono
Duty Cycle (pages per month)	35,000



Disassembling the Toner Cartridge

REMANUFACTURING THE KONICA® MINOLTA® MAGICOLOR® 2400 DL TONER CARTRIDGE

1. Remove the three phillips screws from the drive side end plate, then slide off the drive side end plate as shown in Figure 1 & 2.

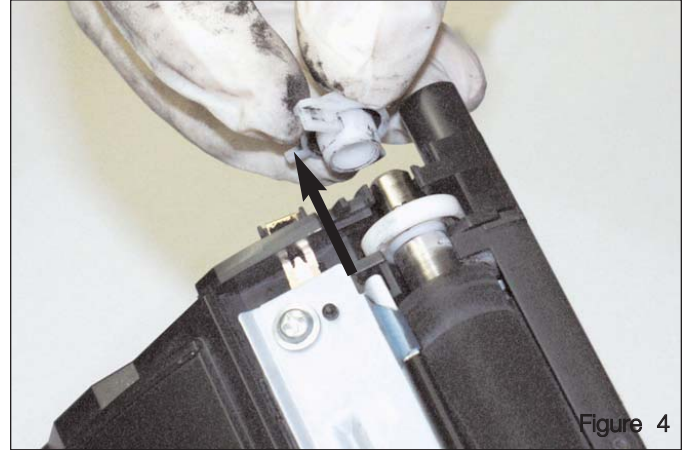


2. Release the tab on the developer roller stabilizer bushing from the non-drive side and rotate to remove from the developer roller. See Figure 3.

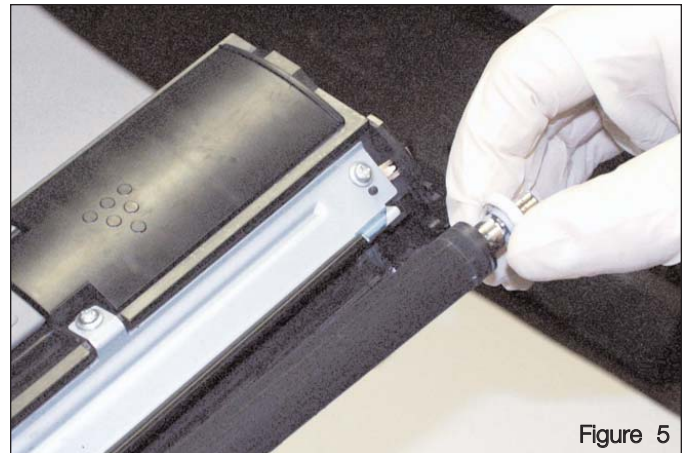


disassembling the toner cartridge

3. Remove the developer roller stabilizer bushing as shown in Figure 4.



4. Grasping the developer roller by the shaft, lift the developer roller up and out of the hopper, as shown in Figure 5.



5. Remove the bearing on the non-drive side. See Figure 5.

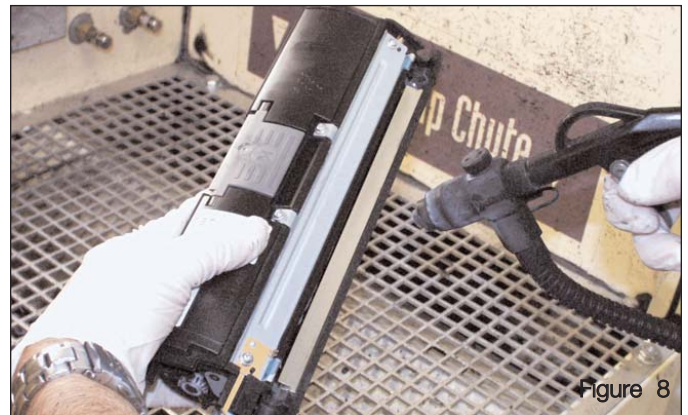
6. Continuing to grasp by the shaft, slide out the developer roller as shown in Figure 6. The drive gear and developer roller bearing on the drive side will remain in the hopper. Remove the bearing and gear. Set aside for reassembly. See Figure 6. Clean the developer roller with compressed deionized air and/or lint free cloth and set aside for reassembly.



7. Using a small flat blade screwdriver, pry the hopper cap from the hopper as shown in Figure 7.



8. Using dry, filtered compressed air, clean the toner from the adder roller and the hopper. See Figure 8.



9. Clean the doctor blade with the wooden end of a Qtip. See Figure 9.



Note: Use slight pressure to clean the doctor blade nip area. Too much pressure could permanently deform the blade and damage the cartridge.





Reassembling the Toner Cartridge

REMANUFACTURING THE KONICA® MINOLTA® MAGICOLOR® 2400 DL TONER CARTRIDGE

1. Install the bearing and gear into the hopper. Then, slide the developer roller into place as shown in Figure 10. Rotate the developer roller to align the developer roller shaft with the drive gear.



Figure 10

2. Replace the bearing on the non-drive side. See Figure 11. Lay the developer roller into the hopper.

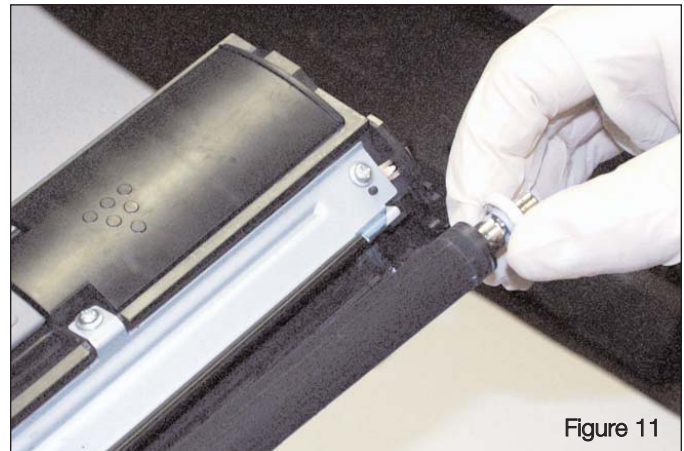


Figure 11

3. Install the developer roller stabilizer bushing as shown in Figure 12.



Figure 12

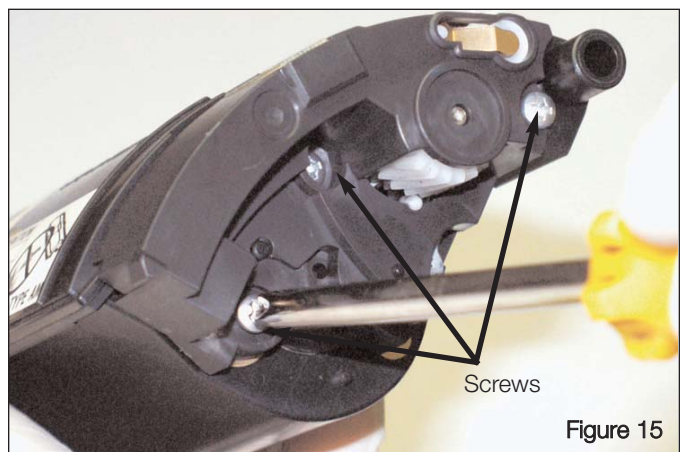
4. Rotate the developer roller bushing until it snaps into place. See Figure 13.



5. Install the drive side end plate as shown in Figure 14.



6. Using a Phillips screwdriver, install the three phillips screws on the drive side end plate as shown in Figure 15.



reassembling the toner cartridge

7. Fill the hopper with toner. Install the hopper cap into the hopper, as shown in Figure 16.



Note: Damaged hopper caps can be replaced by SCC replacement.

For chip installation instructions, see SSS#™825.



Figure 16

MOVING AT THE SPEED OF NEW TECHNOLOGY

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.



STATIC CONTROL COMPONENTS, INC.

SCC Imaging Division

3010 Lee Avenue • PO Box 152 • Sanford, NC 27331
US/Can 800-488-2426 • US/Can Fax 800-488-2452
Int'l 919-774-3808 • Int'l Fax 919-774-1287
www.scc-inc.com

Static Control Components (Europe) Limited

Unit 30, Worton Grange
Reading • Berkshire RG2 0TG • United Kingdom
Tel +44 (0) 118 923 8800 • Fax +44 (0) 118 923 8811
www.scceurope.co.uk