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Xerox® Adaptive CMYK+ Kit for Xerox® Versant® 180 and Versant® 280 Press

Accessory Reference Guide

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Safety

This chapter contains:

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For complete safety information, refer to the *Xerox® Versant® 180 Press User Guide* and *Xerox® Versant® 280 Press User Guide*. You can obtain documentation on the Xerox website at www.support.xerox.com. In the search field, enter `Versant`, then select the needed documentation for your press model.

Notices and Safety

Before operating the press, read the following instructions carefully. Refer to these instructions to ensure the continued safe operation of the press.

The Xerox® press and supplies are designed and tested to meet strict safety requirements. Safety requirements include safety agency evaluation and certification, and compliance with electromagnetic regulations and established environmental standards.

The safety and environment testing and performance of this product have been verified using Xerox® materials only.

For complete safety information, refer to the *Xerox® Versant® 180 Press User Guide* and *Xerox® Versant® 280 Press User Guide*. You can obtain documentation on the Xerox website at www.support.xerox.com. In the search field, type `Versant`, then select the needed documentation for your press model.

Warning Symbols

This device is equipped with a strong permanent magnet that can interfere with medical device operation. Individuals with medical devices such as pacemakers should maintain a distance of 30 cm (12 in.) from this component.

Power Cord Safety Information

Before operating the press, read the following instructions carefully. For details, contact your Xerox representative.

Warning:

- The electrical supply for the device must meet the requirements stated on the data plate on the rear of the device. If you are not sure that your electrical supply meets the requirements, consult your local electricity provider or a licensed electrician.
- Do not use an extension cord.
- Do not remove or modify the power cord.

Refer to these instructions to ensure the continued safe operation of the press.

- Use the power cord supplied with the press.
- Plug the power cord directly into a properly grounded electrical outlet. Ensure that each end of the cord is connected securely. If you do not know if an outlet is grounded, ask an electrician to check the outlet.
- Do not use a ground adapter plug to connect the press to an electrical outlet that does not have a ground connection terminal.

Warning: Avoid the potential of electrical shock by ensuring that the press is grounded properly. Electrical products can be hazardous if misused.

- Verify that the press is plugged into an outlet that provides the correct voltage and power. Review the electrical specification of the press with an electrician, if necessary.
- Do not place the press in an area where people can step on the power cord.
- Do not place objects on the power cord.
- Replace the power cord if it becomes frayed or worn.
- Do not unplug or plug the power cord while the press is powered on.
- To avoid electrical shock and damage to the cord, grasp the plug when you unplug the power cord.
- Ensure that the electrical outlet is near the press and is easily accessible.

The power cord is attached to the press as a plug-in device on the back of the press. If it is necessary to disconnect all electrical power from the press, disconnect the power cord from the electrical outlet. For details, refer to Powering Off the Press.

Vacuum Cleaner Use for Toner Spills

Use a broom or wet cloth to wipe off spilled toner. To minimize generation of dust particles, sweep or wipe slowly. Avoid using a vacuum. If you must use a vacuum, ensure that the unit is designed to contain combustible dusts. Ensure that the vacuum includes an explosion-rated motor and non-conductive hose.

Supplies for the Press

- Store all supplies in accordance with the instructions given on the package or container.
- Keep all supplies away from the reach of children.
- Never throw toner, toner cartridges, drum cartridges, or toner containers into an open flame.
- When handling supplies, avoid skin and eye contact. Eye contact can cause irritation and inflammation.
- Do not attempt to disassemble supplies, which can increase the risk of skin or eye contact.

> **Caution:** Use of non-Xerox supplies is not recommended. The Xerox Warranty and the Service Agreement do not cover damage, malfunction, or degradation of performance caused by use of non-Xerox supplies, or the use of Xerox supplies not specified for the press.

Powering Off the Press

Before you change toner color sets, power off the press. To power off the press, use the General Power Off procedure.

GENERAL POWER OFF

Note: Before you power off the press, wait 5 seconds after any active job completes.

To power off the device, press the power **On/Off** button. For general use, to power on and power off the press, press the power **On/Off** button. Do not use the main power switch to power on and power off the press unless directed by a Xerox Service Representative.

When all print jobs have completed and there are no jobs currently processing, if you select the Power Saver option, the press enters a reduced power-consumption mode.

Note: To reactivate the press when it is in Power Saver mode, press the **Power Saver** button.

POWERING OFF THE MAIN POWER

The main power switch controls the main power into the press. For normal press operation, leave the main power on. Before connecting a cable, cleaning the press, or when a restart is required, press the main power switch to the Off position.

Caution:

- Before unplugging the power cord, press the main power switch to the Off position. Failure to do so can damage the press or cause a press malfunction.
- After you power on the press, wait a few seconds before you power off the main power. Failure to do so can damage the press hard drive or cause a press malfunction.
- After you press the printer On/Off power button, wait a few seconds before you press the main power switch to the Off position. Failure to do so can damage the press hard drive or cause a press malfunction. After you power off the press, wait until the control panel touch screen goes dark. Wait 10 seconds, then press the main power switch to the Off position.

- While a job is processing, or while the Power Saver button is blinking, do not press the main power switch. Doing so can damage the press hard drive or cause a press malfunction.

To power off the main power switch:

1. Open the front cover, then press the main power switch to the Off position.

2. Close the front cover.

Note: Before you switch on the power again, allow the press to remain off for a minimum of 10 seconds.

For details, refer to the *Xerox® Versant® 180 Press User Guide* and *Xerox® Versant® 280 Press User Guide*.

Getting Started

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Storage Cart 19

This reference guide is intended for trained users only.

Overview

The Xerox® Adaptive CMYK+ Kit allows you to add new toner color options to the press, in addition to the traditional black, cyan, magenta, and yellow.

Each Xerox® Adaptive CMYK+ Kit consists of a unique set of toner cartridges, a toner dispenser assembly, a developer drawer assembly, and a storage cart.

Note: The toner cartridges included with the Xerox® Adaptive CMYK+ Kit are starter cartridges.

Note: Xerox® Adaptive CMYK+ Kit requires a system equipped with a Fiery® digital print server.

Adaptive CMYK+ Kit Options

Available Adaptive CMYK+ specialty toner kits for Xerox® Versant® 180 and Versant® 280 Presses:

VIVID TONER KIT, ORDER NUMBER 097N02390
Storage Cart
Drum protection box
Dedicated toner dispenser assembly
Dedicated developer drawer assembly
White (WHT) toner
Gold (GLD) toner
Silver (SLV) toner
Clear (CLR) toner

FLUORESCENT TONER KIT, ORDER NUMBER 097N02391
Storage Cart
Drum protection box
Dedicated toner dispenser assembly
Dedicated developer drawer assembly
Fluorescent Cyan (C-fl) toner
Fluorescent Magenta (M-fl) toner
Fluorescent Yellow (Y-fl) toner

VIVID AND FLUORESCENT COMBINATION TONER KIT, ORDER NUMBER 097N02392
Storage Cart
Drum protection box
Dedicated toner dispenser assembly
Dedicated developer drawer assembly
White (WHT) toner
Gold (GLD) toner
Silver (SLV) toner
Clear (CLR) toner
Fluorescent Cyan (C-fl) toner

VIVID AND FLUORESCENT COMBINATION TONER KIT, ORDER NUMBER 097N02392
Fluorescent Magenta (M-fl) toner
Fluorescent Yellow (Y-fl) toner

Available Adaptive CMYK+ specialty toners for Xerox® Versant® 180 and Versant® 280 Presses:

ADAPTIVE CMYK+ SPECIALTY TONERS FOR THE XEROX® VERSANT® 180 AND VERSANT® 280 PRESSES	ORDER NUMBER
Xerox® Gold Toner for Xerox® Versant® 180 and Versant® 280 Presses	006R01806
Xerox® White Toner for Xerox® Versant® 180 and Versant® 280 Presses	006R01807
Xerox® Silver Toner for Xerox® Versant® 180 and Versant® 280 Presses	006R01808
Xerox® Clear Toner for Xerox® Versant® 180 and Versant® 280 Presses	006R01809
Xerox® Fluorescent Cyan Toner for Xerox® Versant® 180 and Versant® 280 Presses	006R01810
Xerox® Fluorescent Magenta Toner for Xerox® Versant® 180 and Versant® 280 Presses	006R01811
Xerox® Fluorescent Yellow Toner for Xerox® Versant® 180 and Versant® 280 Presses	006R01812

Dedicated Toner Dispenser Assemblies

To prevent cross-contamination of toners, each toner kit includes a dedicated toner dispenser assembly.

Dedicated Developer Drawer Assemblies

To prevent cross-contamination of toners, each toner kit includes a dedicated developer drawer assembly.

Storage Cart

To store each toner kit, a custom storage cart is provided.

Replacing a Toner Kit

This chapter contains:

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This chapter provides step-by-step instructions for replacing a toner kit in your Xerox® Versant® 180 and Versant® 280 Presses. Before you complete these steps, ensure that the press is configured to support the Xerox® Adaptive CMYK+ Kit. For further information, contact Xerox Technical Customer Support.

Guidelines for Working with Toner Kits

It is important to remember the following points when working with the toner kits and their components:

- Toner dispensers are not interchangeable.

  It is critical to keep kit elements paired properly. If a Vivid toner cartridge is installed in a CMYK or Vivid and Fluorescent Combination Toner Kit Dispenser and prints are made, parts are corrupted and require replacement.

- Schedule jobs to limit color swaps.

  To limit the number of times you swap color toner sets, you can batch your CMYK, Vivid, and Fluorescent jobs. Typically, Xerox does not recommend that you swap toner sets multiple times per day.

Caution: Before you open a drawer in the storage cart, ensure that all drawers are closed. Do not open more than one drawer at a time.

Replacing a Toner Kit

Note: Use gloves for all procedures.

To replace a toner kit, perform each of the following procedures in the order provided.

1. Changing the NVM Value for a Toner Kit
2. Powering Off the Press
3. Removing the Toner Cartridges
4. Removing the Drum Cartridges
5. Removing the Toner Dispenser Assembly
6. Removing the Developer Drawer Assembly
7. Installing the Replacement Developer Drawer Assembly
8. Installing the Replacement Toner Dispenser Assembly
9. Reinstalling the Drum Cartridges
10. Installing the Replacement Toner Cartridges
11. Powering On the Press
12. Changing the Toner Set on the Print Server
13. Evaluating Print Quality

Changing the NVM Value for a Toner Kit

The Non-Volatile Memory (NVM) value allows the press to recognize the specific toner color kit that is installed in the press. Each toner kit has a unique NVM value. Before you install or change a toner color kit, change the NVM value to the value that represents the toner kit to be installed.

To change the NVM value:

1. At the device control panel, log in as Administrator.
   a. Press the **Log In/Out** button.
   b. Type the administrator ID, then touch **Next**.
   c. Type the administrator password, then touch **Enter**.
2. Press the **Machine Status** button.
3. Touch **Tools > Maintenance > NVM Read/Write**.
4. Enter the NVM codes:
   a. For **Xerox® Versant® 180 Press**: To enter the NVM code 998–902, for Chain-Link, in the first box, type `998`. In the second box, type `902`. Touch **Confirm/Change**.
   b. For **Xerox® Versant® 280 Press**: To enter the NVM code 998–906, for Chain-Link, in the first box, type `998`. In the second box, type `906`. Touch **Confirm/Change**.

   The current NVM value appears.
5. For the toner kit that you are installing, for New Value, type 0–2 as appropriate, then touch **Save**.
   The values for the toner kits are listed as follows:
   - `0`: Black, Cyan, Magenta, Yellow
   - `1`: White, Gold, Silver, Clear (Vivid Toner Kit)
   - `2`: Black, Fl-Cyan, Fl-Magenta, Fl-Yellow (Fluorescent Toner Kit plus standard Black toner)

Note: Even if Vivid or Fluorescent toner kits are installed, the press User Interface always displays the standard CMYK toners.

Note:

- After you change the NVM value, an error message appears that indicates that the colors are installed incorrectly. After you install the toner kit that corresponds to the NVM value that you entered, the message disappears.
- If there is a mismatch between the NVM setting and the installed toner kit, an error message appears. Verify that the NVM setting is correct for the installed toner kit. If the error message still appears, verify that the correct toner kit is installed.

Powering Off the Press

Note: Before powering off the press, ensure that there are no active jobs.

1. Before powering off the press, wait approximately 60 seconds to exit the power saver mode.
2. To power off the press, press the **Power On/Off** button on the right side of the top front panel.
3. Before proceeding to the next step, wait for the power saver indicator to stop blinking.

Note: To power off the press, do not use the main power switch.

Caution: Unplugging the power cord with the main power on can damage the press internal hard drive or cause a press malfunction.

Caution: Powering off the main power immediately after powering on the main power can damage the press internal hard drive or cause a press malfunction.

Caution: Powering off the main power immediately after pressing the Power On/Off button can damage the press internal hard drive or cause a press malfunction.

Caution: Powering off the main power while a job is processing or while the Energy Saver indicator is blinking can damage the press internal hard drive or cause a press malfunction.

4. To power off the main switch, open the front door, then press the main power switch to the Off position.
5. Close the front door.
6. Disconnect the power cable from the electrical outlet to the press.

Removing the Toner Cartridges

Caution: Before you open a drawer in the storage cart, ensure that all drawers are closed. Do not open more than one drawer at a time.

1. Before you remove any cartridges, protect the work area. Place paper on the floor so that any excess toner falls on the paper.
2. Open the toner cover above the press front door.

3. Keep the cartridge level and avoid touching the bottom of the cartridge.
4. To remove each cartridge, grasp the cartridge handle, then pull the cartridge straight out of the press. Store the toner cartridges in the cart.

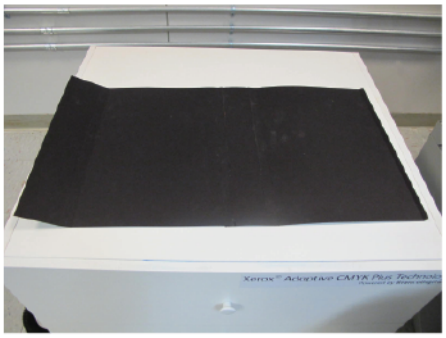
Caution: Be careful to not spill toner on your clothing or your surroundings.

Warning: Never use a vacuum cleaner when you clean spilled toner. An explosion can occur as the toner fills the vacuum cleaner and creates sparks. To clean spilled toner, use a broom or a cloth moistened with a neutral detergent.

Removing the Drum Cartridges

> **Caution:** Do not expose drum cartridges to direct sunlight or strong light from indoor fluorescent lighting for more than one minute. When the drum cartridges are exposed to light, image quality can deteriorate.

1. Ensure that the press is powered off and the power cord is disconnected from the electrical outlet.
2. Open the drum protection box, then place it on top of the storage cart.



3. Open the press front door.
4. To open the developer drawer:
   a. To unlock latch R1–R4, rotate the latch clockwise.

   b. Grasp the developer drawer handle, then pull out the drawer until it stops.

Important: To protect the photoreceptor from light, cover the drum cartridge with the drum protection box within 30 seconds.

5. To remove each drum cartridge, use the finger rings provided at both ends of the drum cartridge.
6. Carefully, lift each cartridge straight up and out of the press.

7. After you remove each drum cartridge, perform the following actions:
   a. Rotate the drum cartridge so that the drum surface is facing up, then place the drum cartridge onto the drum protection box.

   b. Cover all removed drum cartridges with the other half of the drum protection box.
8. Fasten the tabs of the box immediately so that the drum cartridges are covered by the drum protection box.

Note: For extra protection, you can cover the ends of the drum protection box with paper, black sheets, or other lightweight materials.

Removing the Toner Dispenser Assembly

> **Caution:** Before you open a drawer in the storage cart, ensure that all drawers are closed. Do not open more than one drawer at a time.

1. For easy access to the toner dispenser assembly, slide the developer drawer halfway into the press.
2. To access the toner dispenser assembly, lower the toner door.
3. To remove the toner dispenser assembly, grasp both sides and pull the assembly out of the press.

4. Store the toner dispenser assembly in the top drawer of the storage cart.

Removing the Developer Drawer Assembly

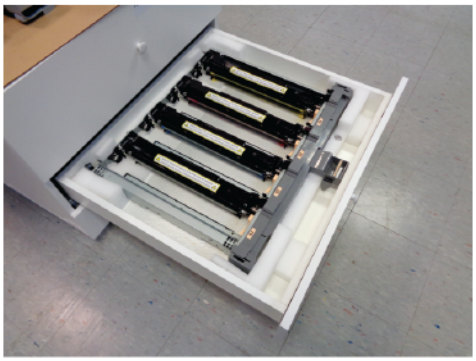
Caution: Before you open a drawer in the storage cart, ensure that all drawers are closed. Do not open more than one drawer at a time.

1. To remove the developer drawer assembly, slide out the developer drawer until it stops.

Caution: Be careful to not spill toner on your clothing or your surroundings.

2. Using both hands, lift the developer drawer assembly out of the rail assembly.

3. Place the developer drawer assembly in the storage cart.

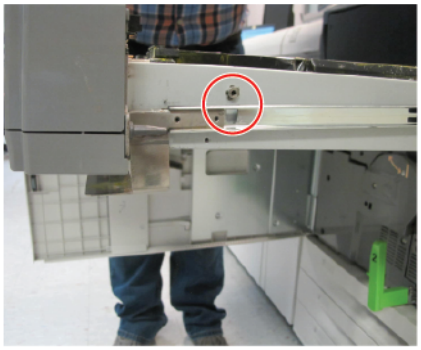


Installing the Replacement Developer Drawer Assembly

Caution: Before you open a drawer in the storage cart, ensure that all drawers are closed. Do not open more than one drawer at a time.

Caution: To avoid pinching your fingers between the developer drawer assembly and the press, use caution when installing the developer drawer assembly.

1. From the storage cart, remove the developer drawer assembly associated with the required toner kit.
2. Hold the developer drawer assembly above the rail assembly and rest the back of the drawer on the frame brackets. On each side, line up the mounting boss on the drawer frame with the corresponding notch on the rail assembly.



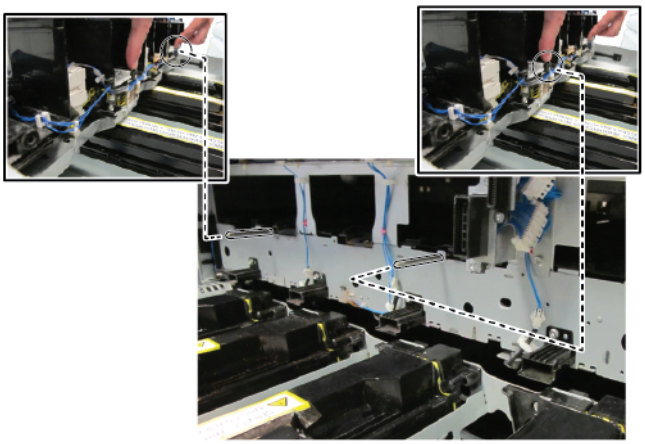
3. Lower the developer drawer assembly into position on the rail assembly. Ensure that the mounting boss on either side of the developer drawer assembly has slipped into the corresponding notch on the rail assembly.
4. Push the developer drawer into the press until the developer drawer clicks into place.

Tip: The click sound indicates that the developer drawer is seated properly inside the press.

Installing the Replacement Toner Dispenser Assembly

> **Caution:** Before you open a drawer in the storage cart, ensure that all drawers are closed. Do not open more than one drawer at a time.

1. For easy access to the press frame, pull out the developer drawer assembly approximately 254 mm (10 in.).
2. From the storage cart, remove the toner dispenser assembly for the required toner kit.
3. Open the toner assembly door. Keep the toner dispenser assembly level as you line up the alignment pins on the press with the alignment holes in the toner dispenser assembly.



4. Slide the toner dispenser assembly into the press. Push the assembly firmly into place.

5. Close the toner assembly cover.

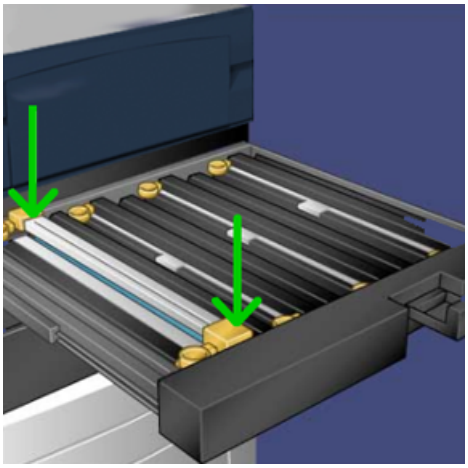
Reinstalling the Drum Cartridges

1. Pull out the developer drawer fully.
2. If you are using the developer drawer for the first time, for each developer housing, pull back the housing cover and remove the protective tab.
3. The drum cartridges have labels that indicate the front and the back of the cartridge. Align the front of the drum cartridge with the front of the developer drawer, and place the cartridge in the drawer.

Caution: Do not touch or scratch the surface of the drum cartridges.

Caution: When the drum cartridges are exposed to light, image quality can deteriorate.

4. To ensure that the drum cartridges are seated fully, press down both ends of the drum cartridges.



5. Push the developer drawer into the printer until the developer drawer clicks into place. To secure the drawer in place, lower the drawer handle, then secure latch R1–R4.

Tip: The click sound indicates that the developer drawer is seated properly inside the press.

6. Close the press front door.

Installing the Replacement Toner Cartridges

Caution: Before you open a drawer in the storage cart, ensure that all drawers are closed. Do not open more than one drawer at a time.

1. Open the toner cover above the press front door.

2. From the storage cart, remove the required toner cartridges from the toner kit.

Caution: Do not mix toner cartridges from different specialty toner kits. Ensure that the correct toner cartridges are installed for each kit. If the color toner cartridges are inserted incorrectly, the toner dispenser assembly becomes contaminated and a service call is required.

3. Remove the new toner cartridge from the packaging.
4. To distribute the toner, with one hand on either side of the cartridge, vigorously shake and rotate the new cartridge up and down and left and right for 30 seconds.
5. To insert each toner cartridge, hold the cartridge in both hands, then align the arrow on the cartridge with the press. Slide the cartridge gently into the press until it stops.

Note: To ensure that the toner cartridges are installed in the correct positions, review the labels inside the toner door. Insert the correct toner cartridge color into the correct location in the press.

Note: You can install one or two white toner cartridges. One white toner cartridge is provided with the Vivid Toner Kit. If you install only one white toner cartridge, leave the left toner cartridge position empty.

6. Close the toner cover. If the cover does not close completely, ensure that the cartridge is in the locked position and is installed into the appropriate toner location.

7. If the toner is spilled, clean the area using a damp cloth.

Powering On the Press

> **Caution:** Powering on the main power immediately after powering off the main power can damage the press internal hard drive or cause a press malfunction.

1. Connect the power cable from the electrical outlet to the press.
2. To power on the main power to the press, open the front door, then press the main power switch to the On position.

3. Close the front cover.
4. To power on the press, on the right side of the top front panel, press the **Power On/Off** button.

After the press is powered on, a status message appears. The message is generated because the Vivid Toner Kit contains one white toner starter cartridge. Print quality is not affected and you can continue to print. When a second white toner cartridge is installed, the message does not appear.

Changing the Toner Set on the Print Server

Note: Before changing the toner set on the Fiery® print server, you may need to update the software on the Fiery® print server.

To change the toner set, on the Fiery® print server, click **Server > Toner Sets**, then select the appropriate toner set:

- **Standard**: Select this option when you have installed the standard (CMYK) toner set.
- **Fluorescent**: Select this option when you have installed the Fluorescent (C-fl, M-fl, Y-fl, and K) toner set.
- **Vivid**: Select this option when you have installed the Vivid (WHT, GLD, SLV, and CLR) toner set.

For details, refer to the *Customer User Documentation* for Xerox® EX-i/EX 180 and 280 Print Servers, Powered by Fiery®. You can download the *Customer User Documentation* from the Resources page on the Fiery® website.

Evaluating Print Quality

1. To evaluate the print quality, copy a test print, then ensure that the print is free of print defects.
2. As required, use the Adjust Image Transfer feature. For details, refer to the *Xerox® Versant® 180 Press User Guide* and *Xerox® Versant® 280 Press User Guide*.

Maintenance

To clean any spilled toner, use a broom or a cloth moistened with a neutral detergent.

Caution: Be careful to not spill toner on your clothing or your surroundings.

Warning: Never use a vacuum cleaner when you clean spilled toner. An explosion can occur as the toner fills the vacuum cleaner and creates sparks. To clean spilled toner, use a broom or a cloth moistened with a neutral detergent.

If you need any assistance for maintaining the press:

- Visit the Xerox website at www.support.xerox.com. In the search field, enter `Versant`, then select the needed documentation for your press model.
- Contact Xerox Technical Customer Support.

Troubleshooting

This chapter contains:

General Print-Quality Problems and Solutions 44
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General Print-Quality Problems and Solutions

Use the following table to find solutions to print-quality problems.

PROBLEM	SOLUTION
Smears, smudges, and streaks: Dark or light marks appear on your output.	Run the Fuser Clean routine. To remove toner that has accumulated on the fuser, run a print job that consists of several blank pages. If the problem persists, to help determine which component is causing the image-quality problem, print the test pages. • If the defect occurs in one color only, replace the corresponding drum cartridge. • If the defect occurs in all colors and is visible on all the test pages, replace the fuser.
Repeating spots or lines: Spot or lines appear at regular intervals on the prints.	Acquire the measuring tool from the *Nationalization Kit*. Check the frequency of the defect interval. • If the defect occurs every 44 mm on the prints, do not replace the drum. This interval is caused by a damaged or defective developer housing. • If spots or bands occur every 147 mm on the prints, a drum is damaged or light shocked. Replace or swap the appropriate drum cartridge. Refer to the *Xerox® Versant® 180 Press User Guide* and *Xerox® Versant® 280 Press User Guide*.
Colors look wrong: Colors do not look accurate or look drastically wrong.	1 Ensure that you have installed the correct toner dispenser assembly and developer drawer. 2 Perform the Calibrate Color procedure.
Colors are too light or too dark: The print or color density is too light, missing, or the background is foggy.	1 Verify that the paper that you are using is the correct type for the press and that the paper is loaded properly. 2 Verify that the paper loaded in the tray matches the paper type selected at the control panel and in the print driver. 3 To maximize the printed image quality, adjust the 2nd Transfer setting. For details, refer to Job Flow in the *Xerox® Versant® 180 Press User Guide* and *Xerox® Versant® 280 Press User Guide*. 4 Your application or incorrect settings in the print driver can cause the print-quality problems.

PROBLEM	SOLUTION
Toner is missing or easy to rub off: Toner appears to be missing from the print or is easy to rub off.	1 Verify that the paper that you are using is the correct type for the press and that the paper is loaded properly. 2 Calibrate the paper type. 3 Raise or lower the fuser temperature setting. 4 At the control panel, select a heavier paper. 5 Change the paper type to **Embossed**. Note: This solution is most effective with Vivid toners on specialty media. Note: Papers from lightest to heaviest are: • For uncoated paper: Plain, Lightweight Cardstock, Cardstock, and Heavyweight Cardstock • For coated paper: Lightweight Glossy Cardstock, Glossy Cardstock, and Heavyweight Glossy Cardstock
Error message indicates that there is a mismatch between the NVM setting and the toner kit installed.	1 Verify that the NVM setting is correct for the toner kit installed. For details, refer to Changing the NVM Value for a Toner Kit. 2 If the NVM setting is correct and the message still appears, verify that the correct toner kit is installed.

Toner Cross-Reference Chart

TONER KIT	POSITION 1	POSITION 2	POSITION 3	POSITION 4	POSITION 5
Standard	Black 1	Black 2	Cyan	Magenta	Yellow
Vivid	White (WHT) (optional)	White (WHT)	Gold (GLD)	Silver (SLV)	Clear (CLR)
Fluorescent	Black 1	Black 2	Fluorescent Cyan (C-fl)	Fluorescent Magenta (M-fl)	Fluorescent Yellow (Y-fl)