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Wide Format Stacker
User Guide

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Safety Notes 1

Introduction

The Xerox Wide Format Stacker is designed and tested to meet strict safety requirements. These requirements include safety agency examination and approval and compliance to any established environmental standards. Please read the following instructions before operating the Stacker.

NOTE: In order to ensure the safe operation of your Stacker, always refer to the instructions in this document.

FOLLOW all of the warning and instructions which are marked on or supplied with the product.

UNPLUG the Stacker from the wall outlet before cleaning. Always use materials which are supplied or approved by Xerox. The use of other materials may result in poor performance and could create a hazardous situation.

DO NOT use aerosol cleaners.

NEVER use supplies or cleaning materials for any purposes other than what they are intended. Keep all supplies and materials out of the reach of children.

DO NOT use the Stacker near water, wet locations, or outdoors.

THIS PRODUCT is equipped with a three-wire, grounding-type plug (in other words a plug which has a third grounding pin). This product is also equipped with an additional safety device. The plug fits into a grounding-type power outlet only. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician in order to avoid the risk of electric shock and have the receptacle replaced. Never use a ground adapter plug to connect the Stacker to a power source receptacle which lacks a ground connection terminal.

THIS PRODUCT must be operated from the type of power source which is indicated on the marking label. If you are not sure of the type of power available, consult your local power company.

IF AN EXTENSION CORD is used with this Stacker, ensure that the total of the ampere ratings of any products plugged into the extension cord does not exceed the extension cord ampere rating. Also, ensure that the total amperage of all products plugged into the wall outlet does not exceed the outlet protection.

DO NOT install the Stacker in a direct sunlit area, in a high humidity or dusty environment, or in a double-insulated room.

DO NOT install the Stacker where the floor or base is unstable. The Stacker may fall, causing personal injury and/or serious damage to the Stacker.

NEVER spill liquid of any kind on the Stacker.

DO NOT allow anything to rest on the power cord. Do not locate this Stacker where people can step on the power cord.

NEVER remove any cover or guards that require a tool for removal. There are no operator serviceable areas within the covered areas.

THE POWER SUPPLY CORD is the disconnect device for this Stacker. Ensure that the Stacker is installed near the outlet and is easily accessible in the event that power needs to be removed from the Stacker quickly.

NEVER attempt any function that is not specified in this User Guide or is not directed by an authorized Xerox representative.

UNPLUG this Stacker from the wall outlet and refer the servicing of it to qualified service personnel under the following conditions:

- When the power cord is damaged or frayed
- If liquid is spilled into the product
- If the Stacker is exposed to rain or water
- If the Stacker is producing unusual noises or odors
- If the Stacker falls over or the covers are damaged
- If the Stacker continues to malfunction or not work after the procedures in this User Guide are performed.

Stacker Overview 2

Introduction

The Stacker is a wire-form, motorized, stacking device, mounted on a stand, designed to handle printed output. It can stack various media types including Bond and Film media.

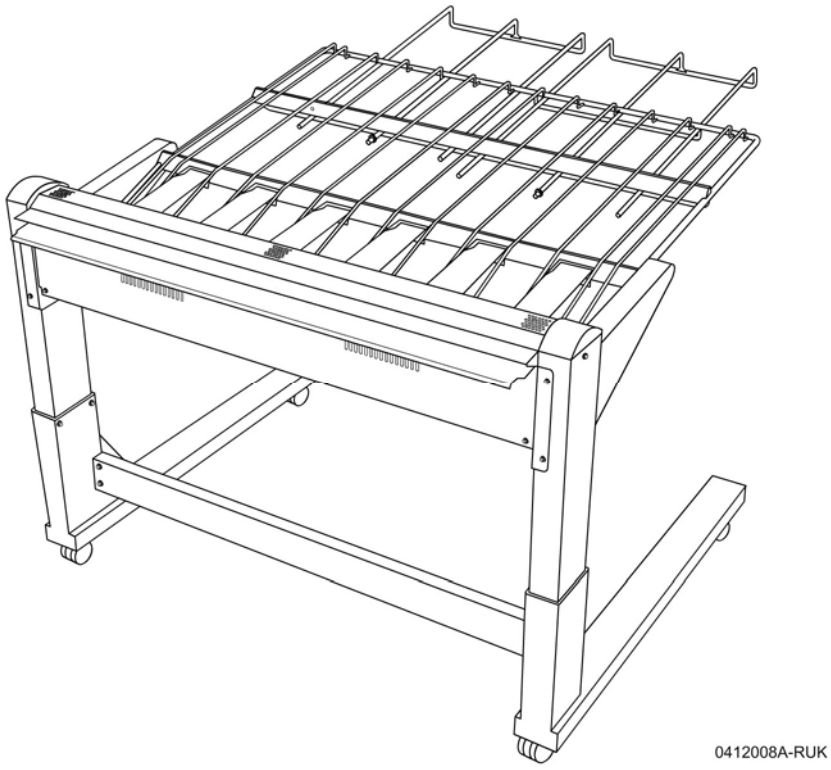

Figure 1. Wide Format Stacker

The Stacker is designed to be operated with minimal operator interaction and requires no maintenance. The operator can clear any media jam without the use of tools. A Power / Jam LED indicates operational status and is also used to diagnose problems with the Stacker. The Stacker stand has casters to enable it to roll away easily from the printer clear jams. Table 1 list the Stacker operating specifications.

Table 1. Wide Format Stacker Operating Specifications

Requirement	Specification
Space Requirement	44” (1100mm) x 50” (1260mm)
Service Space Requirement	115” (2920mm) x 85” (2160mm)
Media Type	Bond = 60 to 110 gsm Film = 75 to 100 micron
Media Size	Width = 8.25” (210mm) to 36” (914.4mm) Length = 8.25” (210mm) to 48” (1219.2mm)
Interface	(1) RS232 Serial Port, (1) USB 2 port
Electrical Requirements	Voltage = 100 – 240VAC ±10 % (90 – 264 VAC) Current = 0.6A/115VAC – .4A/230VAC Frequency = 50/60Hz
Operating Temperature	Temperature = 50°F (10°C) to 90°F(32°C) Humidity = 15 % to 85 % RH
Storage Temperature	Temperature = 85°F (29°C) to 151°F(66°C) Humidity = Non-condensing
Noise	60Hz machine = < 6.8 bell with impulse < 7.6 bell

Component Location

Figures 2 through 4, show the location of the Stacker components that are accessible to the user.

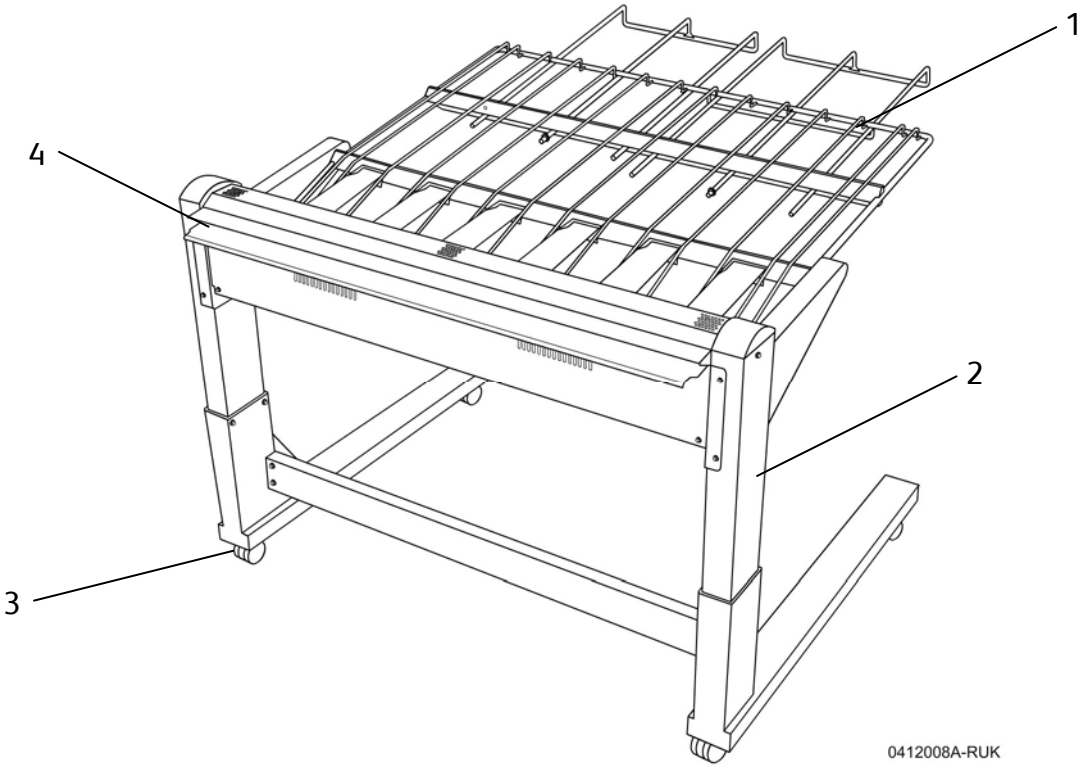

Figure 2. Wide Format Stacker Major Components

Item	Description
1	Stacker Output Tray
2	Stacker Stand
3	Casters
4	Upper and Lower Input Baffle

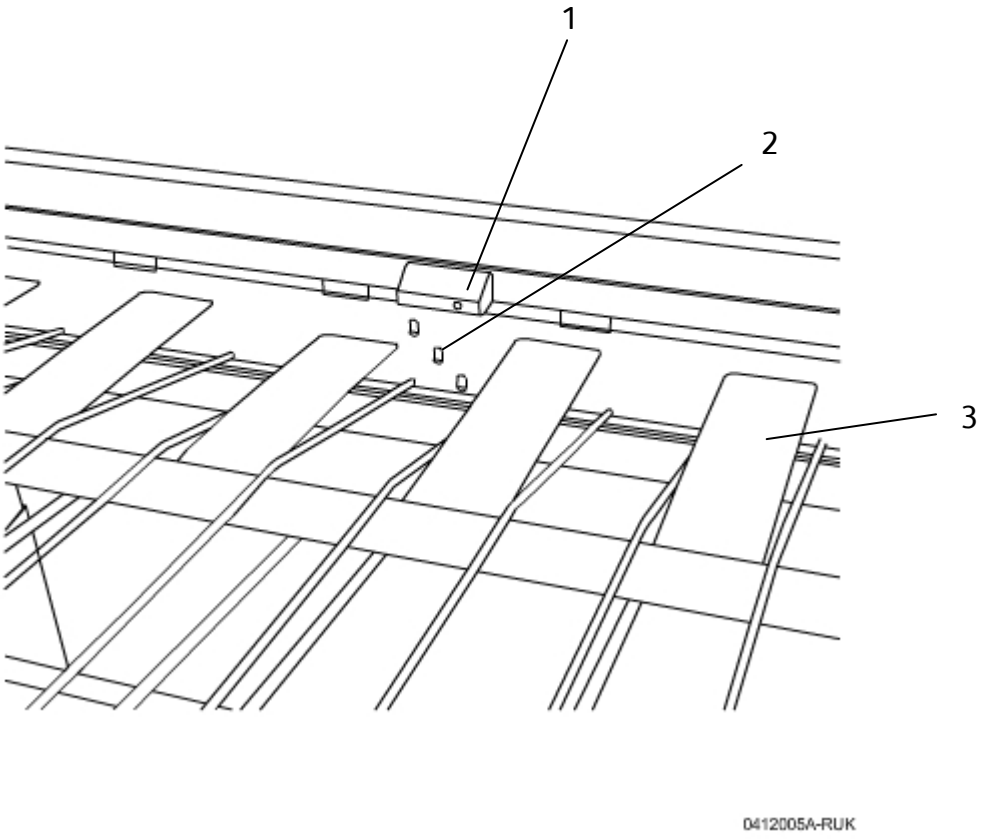

Figure 3. Wide Format Stacker Major Components (continued)

Item	Description
1	Power / Jam LED
2	Tray Full Sensors (3)
3	Stacker Output Tray Springs

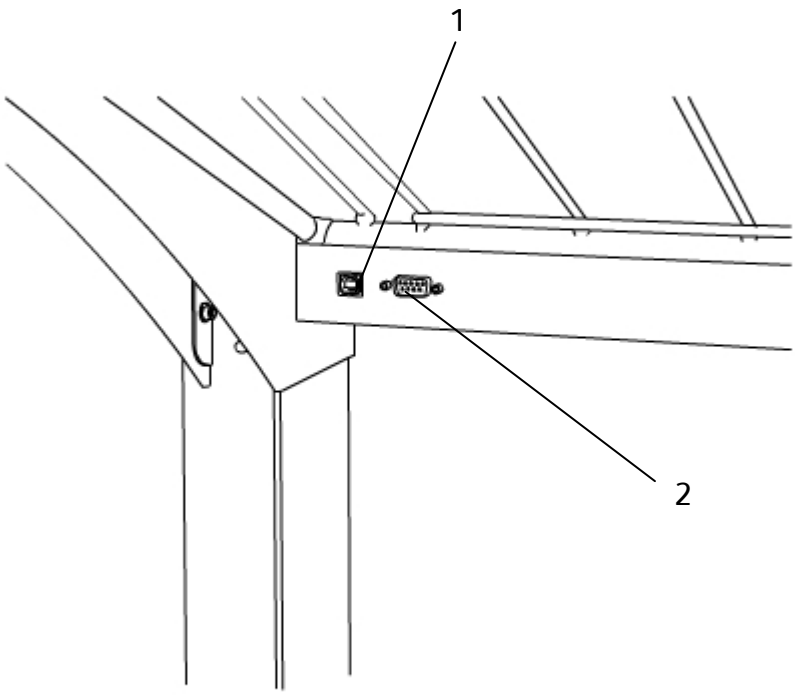

Figure 4. Wide Format Stacker Major Components (continued)

Item	Description
1	USB Port
2	9-pin Serial Port

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Stacker Operation 3

Switching the Power ON and OFF

The Wide Format Stacker does not have a manual power ON/OFF switch. Instead, power is "switched ON" by connecting the power cord to the power outlet, as shown in Figure 5.

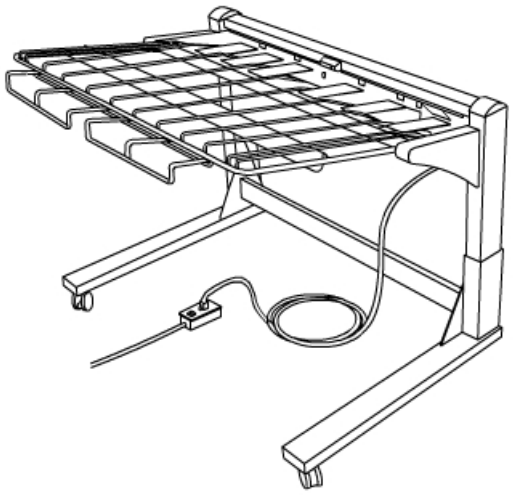

Figure 5. Stacker Power

Once the power cord is connected to the power outlet, the Power / Jam LED turns red, for a few seconds when first plugged in, while it conducts a Power ON Self Test, and then turns green a few seconds later if it passes self test.

To remove power from the Stacker, you must disconnect the Stacker power cord from the power outlet.

Normal Operation

During normal operation, the Wide Format Stacker receives media input from the printer and transports the media to the Stacker Output Tray. As the lead edge of the media enters the Stacker, the Entrance Sensor, shown in Figure 6, detects the lead edge of the media and the fan and motor are switched ON. The media is then fed into the Stacker Output Tray.

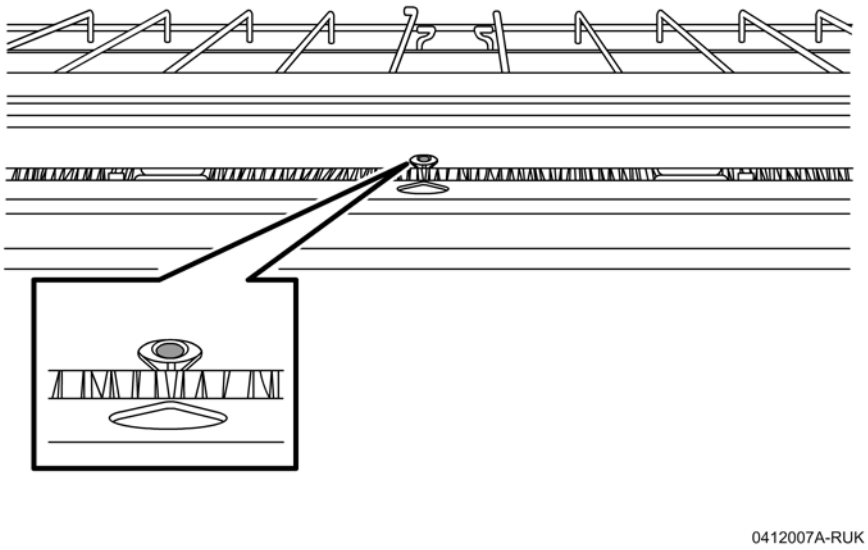

Figure 6. Stacker Entrance Sensor

When the Entrance Sensor detects the trail edge of the media, the fan and drive motor continue to run until the print is fed into the Stacker Output Tray. This process is repeated for consecutive prints. After the last print output is fed into the Stacker Output Tray, the fan and motor are switched OFF. A serial cable connection between the Stacker and the printer controller is used for reporting Stacker jams.

Three Tray Full Sensors, shown in Figure 7, are used to detect the height of the media stack and report when the output tray is full. The top sensor detects when the output tray is 1/4 full, the middle sensor detects 1/2 full, and the bottom sensor detects a 3/4 full output tray.

As the media begins to stack in the output tray, the Output Tray Springs support media. As media is added to the output tray, the weight of the media presses on the Output Tray Springs until the media is detected by the top Tray Full Sensor. This process continues until the media is eventually detected by the bottom Tray Full Sensor.

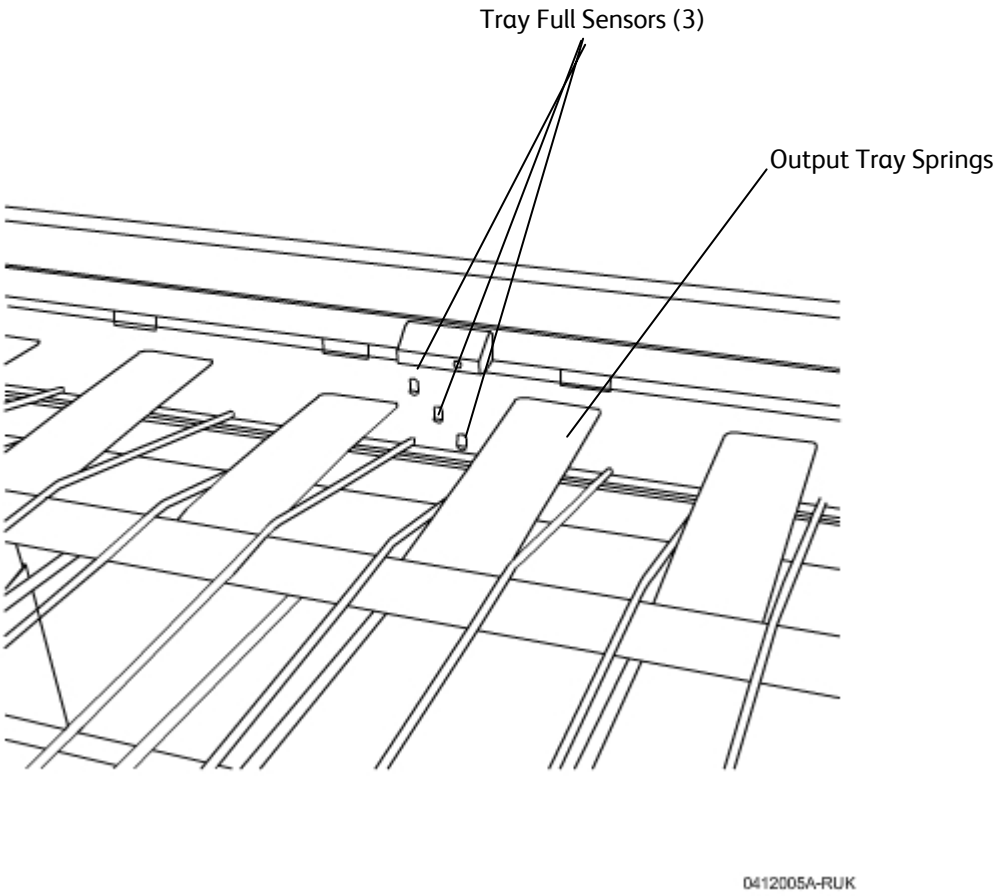

Figure 7. Tray Full Sensors (3)

Jam Detection

The Stacker detects media jams using a reflective sensor located under the Power / Jam LED. The reflective sensor shines an LED at the paper as it is stacked on the Output Tray. If a jam occurs at the Output Tray, the reflective sensor is activated triggering a jam error at the Power / Jam LED. If also triggers a jam notification to the printer controller via the serial connection.

Power / Jam LED

A Power / Jam LED, visible in the top center of the Stacker, as shown in Figure 8, indicates the operational status of the Stacker. It is also used to diagnose problems with the Stacker.

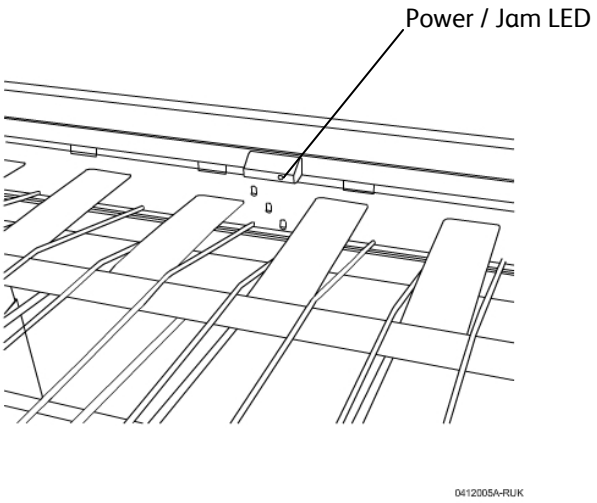

Figure 8. Power / Jam LED

The Power / Jam LED is a dual-color LED. Green indicates the operational status of the Stacker; Red indicates a fault. Table 2 list all of the Power / Jam LED indications that an operator may encounter.

Table 2. Power / Jam LED Indications

Power / Jam LED Indication	Operational Description
Steady GREEN	Stacker is ready for use. The Firmware has passed the self-test and the hardware is ready.
Flashing GREEN (slowly)	The Stacker Output Tray is between 1/2 and 3/4 full.
Flashing GREEN (fast)	The Stacker Output Tray is past 3/4 full.
Flashing RED	The Stacker Output Tray is too full or there is a paper jam.
OFF	There is no AC power to the Stacker. Either the power cord is unplugged, the AC power outlet is bad, or there is an internal malfunction.
Steady RED	The Stacker requires service. The Low Voltage Power Supply is out of specification or the Stacker electronics failed the self-test at power up.

Tray Extensions

The Wide Format Stacker is equipped with tray extension to support E-size (A0) and longer size prints. Tray Extensions are extended or retracted by hand. Figure 9 shows the Wide Format Stacker with the Tray Extensions extended.

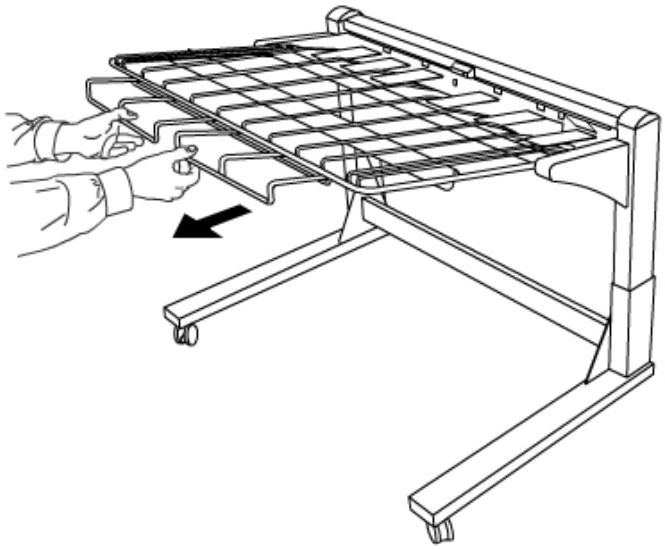

Figure 9. Tray Extensions

Moving/Relocating the Stacker

Use the following procedure whenever you are required to move the Stacker away from the printer.

1. Disconnect the Stacker power cord from the AC input power source.
2. Disconnect the Stacker Serial Cable from the Printer Controller.
3. Unlock the Stacker Casters by gently lifting up on each Caster Locking Levers.
4. Move the Stacker away from the printer.
5. Reposition the Stacker against the printer and lock the Stacker Casters by gently pushing down on each Caster Locking Lever.
6. Reconnect the Stacker Power Cord to the AC input power source.
7. Reconnect the Stacker Serial Cable to the Printer Controller.

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Problem Solving 4

Jam Clearance

Media jams may occur as the media is exiting the printer or as the media is entering the Stacker. When the Power / Jam LED is flashing RED, this indicates that the Stacker has detected a media jam or that the Stacker is full.

Jams are usually caused when the Stacker is misaligned with the output of the printer. Media must be cleared from the Stacker before a print job can continue.

Clearing Media Jams

Use the following procedure to clear a media jam from the Stacker.

1. Disconnect the Stacker power cord from the AC input power source.
2. Unlock the Stacker Casters by gently lifting up on each Caster Locking Levers.
3. Move the Stacker away from the printer.
4. Clear any visible, jammed media from the Stacker media path. If part of the media is located in the printer media path, clear the Stacker media path first. Refer to the printer's customer documentation for instructions on clearing the printer media path.
5. If the media, which is exiting the printer, is still connected to the media roll inside the printer, manually cut the media between the printer and Stacker.
6. Once the Stacker and printer media path is cleared, reposition the Stacker against the printer and lock the Stacker Casters by gently pushing down on each Caster Locking Lever.
7. Reconnect the Stacker Power Cord to the AC input power source.

Fault Table

Table 3 lists the faults that the operator can correct without a service call. Any other faults, encounter but not listed in the table below will require the operator to contact a Xerox Customer Service Representative.

Table 3. Stacker Fault Table

Problem	Action
The Stacker Power / Jam LED is not lit.	Make sure AC outlet has power. Ensure that the power cord is connected to the power outlet. Disconnect and reconnect the cord to the outlet. If the problem persist, call for service.
The Stacker Power / Jam LED is flashing RED	Empty the Stacker Output Tray. Clear any paper jams.
The Stacker Power / Jam LED is lit steady RED	The Low Voltage Power Supply is out of specification or the Stacker electronics failed the self-test at power up. Call for service.
Prints have stopped feeding into the Stacker.	Check for a media jam in the Stacker and/or printer, and clear any jams. If the problem persists, call for service.