

# Phaser 3100MFP

## SERVICE MANUAL



# XEROX®

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04/08

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Phaser 3100MFP

Service Documentation

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04/08

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## Introduction

Safety Precautions .....	<a href="#">iii</a>
Health and Safety Incident Reporting .....	<a href="#">viii</a>

## 1 Service Call Procedures

Section Contents .....	<a href="#">1-1</a>
------------------------	---------------------

## 2 Repair Analysis Procedures

Section Contents .....	<a href="#">2-1</a>
------------------------	---------------------

## 3 Image Quality

Section Contents .....	<a href="#">3-1</a>
------------------------	---------------------

## 4 Repairs and Adjustments

Section Contents .....	<a href="#">4-1</a>
------------------------	---------------------

## 5 Parts List

Section Contents .....	<a href="#">5-1</a>
------------------------	---------------------

## 6 General Procedures and Information

Section Contents .....	<a href="#">6-1</a>
------------------------	---------------------

## 7 Wiring Data

Section Contents .....	<a href="#">7-1</a>
------------------------	---------------------

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## Safety Precautions

In order to prevent accidents and to prevent damage to the equipment, please read the precautions listed below carefully before servicing the machine and follow them closely.

Warnings, Cautions and Notes

### WARNING

A warning is used whenever an operating or maintenance procedure, practice, condition or statement, if not strictly observed, could result in personal injury.

### CAUTION

A caution is used whenever an operation or maintenance procedure, practice, condition or statement, if not strictly observed, could result in damage to the equipment.

**Note:** A note is used where it is essential to highlight a procedure, practice, condition or statement.

## Safety Warning

1. Only to be serviced by appropriately qualified service engineers.  
High voltages and lasers inside this product are dangerous. This machine should only be serviced by a suitably trained and qualified service engineer.
2. Use only Xerox replacement parts  
There are no user serviceable parts inside the machine. Do not make any unauthorized changes or additions to the machine, these could cause the machine to malfunction and create electric shock or fire hazards.
3. Laser Safety Statement  
The machine is certified in the U.S. to conform to the requirements of DHHS 21 CFR, chapter 1 Subchapter J for Class 1(1) laser products, and elsewhere, it is certified as a Class I laser product conforming to the requirements of IEC 825. Class I laser products are not considered to be hazardous. The laser system and machine are designed so there is never any human access to laser radiation above a Class I level during normal operation, user maintenance, or prescribed service condition.



### WARNING

Follow the service procedure exactly as written. Use of controls or adjustments other than those specified in this manual, may result in an exposure to invisible laser radiation. During servicing, the invisible laser radiation can cause eye damage if looked at directly.

### Materials

1. If the LCD control panel is damaged, it is possible for the liquid inside the display to leak. Contact with skin should be avoided, wash any splashes from eyes or skin immediately and contact your doctor. If the liquid gets into the mouth or is swallowed see a doctor immediately.
2. Please keep print cartridges away from children.

### Electric Shock and Fire Safety Precautions

Failure to follow the following instructions could cause electric shock or potentially cause a fire.

1. Use only the correct voltage, failure to do so could damage the machine and potentially cause a fire or electric shock.
2. Use only the power cable supplied with the machine. Use of an incorrectly specified cable could cause the cable to overheat and potentially cause a fire.
3. Do not overload the power socket, this could lead to overheating of the cables inside the wall and could lead to a fire.
4. Do not allow water or other liquids to spill into the machine, this can cause electric shock. Do not allow paper clips, pins or other foreign objects to fall into the machine these could cause a short circuit leading to an electric shock or fire hazard.
5. Never touch the plugs on either end of the power cable with wet hands, this can cause electric shock. When servicing the machine, remove the power plug from the wall socket.
6. Use caution when inserting or removing the power connector. The power connector must be inserted completely otherwise a poor contact could cause overheating and possibly leading to a fire. When removing the power connector grip it firmly and pull.
7. Take care of the power cable. Do not allow it to become twisted, bent sharply round corners or otherwise damaged. Do not place objects on top of the power cable. If the power cable is damaged, it could overheat and cause a fire or exposed wires could cause an electric shock. Replace a damaged power cable immediately, do not reuse or repair the damaged cable. Some chemicals can corrode the coating on the power cable, weaken the cover or exposing wires causing fire and shock risks.
8. Ensure that the power sockets and plugs are not cracked or broken in any way. Any such defects should be repaired immediately. Take care not to cut or damage the power cable or plugs when moving the machine.
9. Avoid damp or dusty areas, install the machine in a clean well ventilated location. Do not position the machine near a humidifier. Moisture and dust build up inside the machine can lead to overheating and cause a fire.
10. Do not position the machine in direct sunlight.
11. Do not insert any metal objects into the machine through the ventilator fan or other part of the casing, it could make contact with a high voltage conductor inside the machine and cause an electric shock.

### Handling Precautions

The following instructions are for your own personal safety, to avoid injury and so as not to damage the machine

1. Ensure the machine is installed on a level surface, capable of supporting its weight. Failure to do so could cause the machine to tip or fall.

2. The machine contains many rollers, gears and fans. Take great care to ensure that you do not catch your fingers, hair or clothing in any of these rotating devices.
3. Do not place any small metal objects, containers of water, chemicals or other liquids close to the machine which if spilled could get into the machine and cause damage or a shock or fire hazard.
4. Do not install the machine in areas with high dust or moisture levels, beside an open window or close to a humidifier or heater. Damage could be caused to the machine in such areas.
5. Do not place candles, burning cigarettes, etc. on the machine, these could cause a fire.
6. The fuser unit works at a high temperature. Use caution when working on the machine. Wait for the fuser to cool down before disassembly.

### **Assembly / Disassembly Precautions**

Replace parts carefully, always use Xerox parts. Take care to note the exact location of parts and also cable routing before dismantling any part of the machine. Ensure all parts and cables are replaced correctly.

Please carry out the following procedures before dismantling the machine or replacing any parts.

1. Check the contents of the machine memory and make a note of any user settings. These will be erased if the mainboard is replaced.
2. Ensure that power is disconnected before servicing or replacing any electrical parts.
3. Disconnect printer interface cables and power cables.
4. Be sure to remove the print cartridge before you disassemble any parts.
5. Only use approved spare parts. Ensure that part number, product name, any voltage, current or temperature rating are correct.
6. When removing or re-fitting any parts do not use excessive force, especially when fitting screws into plastic.
7. Take care not to drop any small parts into the machine.
8. Handling of the OPC Drum

- The OPC Drum can be irreparably damaged if it exposed to light.

Take care not to expose the OPC Drum either to direct sunlight or to fluorescent or incandescent room lighting. Exposure for as little as 5 minutes can damage the surface's photoconductive properties and will result in print quality degradation. Take extra care when servicing the machine. Remove the OPC Drum and store it in a black bag or other lightproof container. Take care when working with the covers (especially the top cover) open as light is admitted to the OPC area and can damage the OPC Drum.

- Take care not to scratch the green surface of OPC Drum Unit.

If the green surface of the Drum Cartridge is scratched or touched the print quality will be compromised.

### **ESD Precautions**

Certain semiconductor devices can be easily damaged by static electricity. Such components are commonly called "Electrostatically Sensitive (ES) Devices", or ESDs. Examples of typical ESDs are: integrated circuits, some field effect transistors, and semiconductor "chip" components.

The techniques outlined below should be followed to help reduce the incidence of component damage caused by static electricity.

### CAUTION

*Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.*

1. Immediately before handling a semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, employ a commercially available wrist strap device, which should be removed for your personal safety reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ESDs, place the assembly on a conductive surface, such as aluminium or copper foil, or conductive foam, to prevent electrostatic charge buildup in the vicinity of the assembly.
3. Use only a grounded tip soldering iron to solder or desolder ESDs.
4. Use only an “anti-static” solder removal device. Some solder removal devices not classified as “anti-static” can generate electrical charges sufficient to damage ESDs.
5. Do not use Freon-propelled chemicals. When sprayed, these can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective packaging until immediately before installing it. Most replacement ESDs are packaged with all leads shorted together by conductive foam, aluminium foil, or a comparable conductive material.
7. Immediately before removing the protective shorting material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
8. Maintain continuous electrical contact between the ESD and the assembly into which it will be installed, until completely plugged or soldered into the circuit.
9. Minimize bodily motions when handling unpackaged replacement ESDs. Normal motions, such as the brushing together of clothing fabric and lifting one’s foot from a carpeted floor, can generate static electricity sufficient to damage an ESD.

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## Health and Safety Incident Reporting

### I. Summary

This section defines requirements for notification of health and safety incidents involving Xerox products (equipment and materials) at customer locations.

### II. Scope

Xerox Corporation and subsidiaries worldwide.

### III. Objective

To enable prompt resolution of health and safety incidents involving Xerox products and to ensure Xerox regulatory compliance.

### IV. Definitions

#### Incident:

An event or condition occurring in a customer account that has resulted in injury, illness or property damage. Examples of incidents include machine fires, smoke generation, physical injury to an operator or service representative. Alleged events and product conditions are included in this definition.

### V. Requirements

#### Initial Report:

1. Xerox organisations shall establish a process for individuals to report product incidents to Xerox Environment Health & Safety within 24 hours of becoming aware of the event.
2. The information to be provided at the time of reporting is contained in Appendix A (Health and Safety Incident Report involving a Xerox product).
3. The initial notification may be made by any of the following methods:
  - For incidents in North America and Developing Markets West (Brazil, Mexico, Latin American North and Latin American South):
    - Phone\* Xerox EH&S at: 1-800-828-6571.
    - Electronic mail Xerox EH&S at: Doris.Bush@usa.xerox.com.
    - Fax Xerox EH&S at: 1-585-422-6449 [intelnet 8\*222 6449].
  - For incidents in Europe and Developing Markets East (Middle East, Africa, India, China and Hong Kong):
    - Phone\* Xerox EH&S at: +44 (0) 1707 353434.
    - Electronic mail Xerox EH&S at: Elaine.Grange@GBR.xerox.com.
    - Fax Xerox EH&S at: +44 (0) 1707 353914 [intelnet 8\*668 3914].

\*Initial notification made by phone must be followed within 24 hours by a completed incident report and sent to the indicated electronic mail address or fax number.

**Note:** *If sending a fax, please also send the original via internal mail.*

## Responsibilities for Resolution:

1. Business Groups/Product Design Teams responsible for the product involved in the incident shall:
  - a. Manage field bulletins, customer correspondence, product recalls, safety retrofits.
  - b. Fund all field retrofits.
2. Field Service Operations shall:
  - a. Preserve the Xerox product involved and the scene of the incident inclusive of any associated equipment located in the vicinity of the incident.
  - b. Return any affected equipment/part(s) to the location designated by Xerox EH&S and/or the Business Division.
  - c. Implement all safety retrofits.
3. Xerox EH&S shall:
  - a. Manage and report all incident investigation activities.
  - b. Review and approve proposed product corrective actions and retrofits, if necessary.
  - c. Manage all communications and correspondence with government agencies.
  - d. Define actions to correct confirmed incidents.

## VI. Appendices

The Health and Safety Incident Report involving a Xerox Product (Form # EH&S-700) is available at the end of the manual.

# 1 Service Call Procedures

SCP 1 Service Call Actions .....	<a href="#">1-3</a>
SCP 2 Cleaning .....	<a href="#">1-4</a>
SCP 3 Final Actions .....	<a href="#">1-7</a>

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## SCP 1 Service Call Actions

### Procedure

#### **WARNING**

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

1. Take note of symptoms or error messages.
2. Ask the operator to describe or demonstrate the problem.
3. Make sure that:
  - The power cord is connected to the wall outlet and to the machine.
  - All cables are connected correctly.
  - If necessary perform [SCP 2 Cleaning](#).
4. If available, check the machine service log book for any previous actions that may be relevant to the call.
5. Review any defective print or copy samples.
6. Refer to [RAP 1 Error Codes](#) for a list of error codes and possible solutions.

## SCP 2 Cleaning

To keep the machine in good working condition, the following operations should be carried out regularly:

- Cleaning the paper transport rollers of the ADF (3100 MFP/X only).
- Cleaning the paper separator (3100 MFP/X only).
- Cleaning the CIS window of the scanner.
- Cleaning the control panel keys and the printer covers.
- Cleaning the printer with a soft cloth, **never use abrasives or detergents**.

### Paper Transport Rollers (3100 MFP/X only)



**Figure 1**

1. Set the On/Off switch to Off (position 0).
2. Open the ADF cover.
3. Clean the rollers of the document feeder and feed shafts, and also the two idler rollers located on the mobile part of the scanner, with a lint-free cloth moistened in isopropyl alcohol. To clean them, rotate them in the same direction as during paper transport.

**Recommended interval:** from 2 to 6 months, depending on utilization.

## Paper Separator Module (3100 MFP/X only)



**Figure 2**

1. Set the On/Off switch to Off (position 0).
2. Open the ADF scanner cover.
3. Disassemble the ADF feeder ([REP 4](#)).
4. Wipe the elements of the paper separator module with a lint-free cloth soaked with isopropyl alcohol. **Recommended interval:** from 2 to 6 months, depending on utilization.

### CIS and Document Glass

1. Set the On/Off switch to Off (position 0).
2. Open the scanner cover.
3. Clean the CIS window with a lint-free cloth moistened with isopropyl alcohol or use antistatic paper used for cleaning optic glass.

**Recommended interval:** depending on utilization; it is advisable to make a local copy to check if the window is clean.

### Control Panel Keys and Covers

#### Cleaning the Control Panel Keys

1. Set the On/off switch to Off (position 0).
2. Clean the top of the control panel and the keys with a lint-free cloth moistened with isopropyl alcohol or a spray-on cleaning product.
3. Leave the product on for a few seconds before wiping it off.

**Recommended interval:** to be defined depending on utilization.

### **Cleaning the Covers**

It is advisable to clean all the covers during a maintenance visit.

1. Set the On/Off switch to Off (position 0).
2. Clean the external areas of the covers with a lint-free cloth moistened with isopropyl alcohol or a spray-on cleaning product.
3. Leave the product on for a few seconds before wiping it off.

## SCP 3 Final Actions

After the machine has been re-assembled, perform the steps that follow:

1. Exercise the machine in all modes.
2. Make a proof copy or print of a customer document.
3. If any of the customers selections were changed, return them to the customers preferred settings.
4. Mark off any hardware/software options and modifications installed and/or enabled in the Service Log, [GP 19](#).
5. At the first service and at any subsequent service where changes are made or options are added, print the configuration report and store it with the machine log book. Discard any previous versions of the configuration report.
6. Remove and destroy any copies of test patterns.
7. Complete the machine service log, refer to [GP 19](#) Service Log.
8. Ensure the machine and service area are clean before leaving the customer premises.
9. Provide customer training if required.

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## 2 Status Indicator RAPs

RAP 1 Error Codes .....	<u>2-3</u>
RAP 2 Jam Detection .....	<u>2-6</u>

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## RAP 1 Error Codes

### Scanning and Communication Error Codes

The communication error codes appear in the logs (printed using key sequence **5 4**) and in the transmission reports.

### General Codes

The following table presents and details for each error code displayed by the machine its cause and when required the corrective action to perform.

**Table 1:**

Code	Error	Cause	Action
01	Engaged or no fax tone	This code appears after 6 failed attempts.	Restart the transmission at a later time.
03	Stopped by operator	Communication stopped by the operator by pressing the STOP key.	
04	Programmed number invalid	Invalid programmed single-key or quick-dial number (Example: a delayed transmission has been programmed with a single key and this key has been deleted).	Check the validity of the programmed number and/or the single-key associated to the programmed number.
05	Scanning fault	An error has occurred at the location of the document to be transmitted (Example: the sheet is jammed).	Check the ADF module.
06	Printer not available	An error has occurred on the printer (Example: out of paper, paper jam or cover open). In the case of a reception, this incident code only appears if the <b>RECEPTION WITHOUT PAPER</b> parameter is set to <b>WITHOUT PAPER</b> .	Check the printer.
07	Disconnect	The communication has been cut (bad connection).	Check the called number.
08	Quality	The document that you have transmitted has not been received correctly.	Contact your correspondent to check whether it is necessary to retransmit the document: the interference may have occurred in an unimportant area of the document.

**Table 1:**

0A	No document to recover	You have attempted to recover a document from a correspondent, but the latter has not stored the document or the password that was entered is wrong.	Contact your correspondent to check whether the document to recover has been stored or to check the validity of the password.
0B	Wrong number of pages	There is a difference between the number of pages indicated when the document was stored for transmission and the number of pages actually transmitted.	Check the number of pages of the document.
0C	Received document faulty.	The document is too long to be received in its entirety.	Ask the correspondent to check/reduce the length of his document.
0D	Document transmission fault	Document reception error.	Ask the correspondent to retransmit his document.
13	Memory full	The machine memory is full (there are too many documents that have been received but not yet printed, or waiting to be transmitted).	Print the received documents. Delete or transmit in immediate mode the documents waiting to be transmitted.
14	Memory full	Received document memory saturated.	Print the received documents.
16	List number x not retransmitted	Failure to retransmit a document via a remote fax (the requested list of recipients is not programmed on the remote fax).	Check that the list of recipients is programmed on the remote fax.
19	Stopped by correspondent	Communication stopped by your correspondent (Example: a machine attempts to recover a document from your machine, and there is no document waiting for this correspondent).	
1A	Disconnect	Transmission has not started (the phone line is too noisy).	Check the quality of the phone line or restart the transmission at a later time.

**Table 1:**

1B	Document transmission fault	Document transmission error.	Transmission: restart the transmission. Reception: ask your correspondent to retransmit the document.
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## RAP 2 Jam Detection

### Jam 1. Paper jam at the paper cassette

When the registration sensor does not turn on within 2.52 seconds after the paper pick-up clutch for the paper cassette turns on.

### Jam 2. Paper did not pass the registration sensor

When the registration sensor does not turn off within the specified time for passing each paper size (see below) + 3 seconds after the registration sensor turns on.

**Table 2:**

Paper Size	A4SEF	A5SEF	A5LEF	A6SEF	B5SEF	B6SEF	Letter SEF	Legal SEF	Envelope (91x191mm)
Specified Time (msec)	2555	1807	1273	1273	2211	1566	2400	3059	1643

### Jam 3. Paper did not reach the fusing unit

When the paper exit sensor does not turn on within 1.94 seconds after the registration sensor turns on.

### Jam 4. Paper jam in the fusing exit area

When the paper exit sensor does not turn off within 2.99 seconds after the registration sensor turns off.

### Jam 5. Paper no feed jam in the bypass tray

When the registration sensor does not turn on within 1.72 seconds after the main motor starts.

### 3 Image Quality

IQ 1 Checking the quality of Prints and Tuning the Scanner ..... [3-3](#)

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## IQ 1 Checking the Quality of Prints and Calibrating the Scanner

To check or improve the quality of prints, you should first calibrate the scanner. Follow this procedure:

1. Press **▼** enter \* then **A** on the keyboard and confirm with **OK**. The machine reboots.
2. Start making copies of documents on the document glass and check the quality of the copies.

If the problem persists and if it is related to the scanner:

- Repeat the calibration procedure (step 1). If the problem persists and if it is related to the printer (the scanner still provides unsatisfactory results):
  1. Press **▼** then enter **56** on the keyboard. The machine prints the list of printer parameters.
  2. Check the printer's printing and copying parameters.
  3. Check the print cartridge.

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## 4 Repairs and Adjustments

REP 1 Control Panel .....	<a href="#">4-3</a>
REP 2 ADF Cover and Document Pad .....	<a href="#">4-5</a>
REP 3 Front Door and Side Cover .....	<a href="#">4-10</a>
REP 4 Feeder Assembly .....	<a href="#">4-13</a>
REP 5 Retard Pad and Cork Pad .....	<a href="#">4-15</a>
REP 6 ADF Document Feed Assembly .....	<a href="#">4-17</a>
REP 7 Upper Paper Guide Assembly .....	<a href="#">4-20</a>
REP 8 Motor Frame .....	<a href="#">4-22</a>
REP 9 ADF Feed Guide / Registration Roll / Paper Deflector .....	<a href="#">4-25</a>
REP 10 ADF Sliders and Antistatic Brush .....	<a href="#">4-28</a>
REP 11 CPU Module .....	<a href="#">4-30</a>
REP 12 Speaker .....	<a href="#">4-33</a>
REP 13 Back Cover .....	<a href="#">4-35</a>
REP 14 Output Tray Assembly .....	<a href="#">4-37</a>
REP 15 Machine Disassembly .....	<a href="#">4-39</a>
REP 16 Scanner Assembly .....	<a href="#">4-40</a>
REP 17 Power Supply Unit .....	<a href="#">4-43</a>
REP 18 Scanner Frame .....	<a href="#">4-44</a>
REP 19 CIS .....	<a href="#">4-46</a>
REP 20 CIS Ribbon Cable .....	<a href="#">4-48</a>
REP 21 CIS Support .....	<a href="#">4-50</a>
REP 22 Scanner Motor .....	<a href="#">4-52</a>
REP 23 Paper Tray Components .....	<a href="#">4-54</a>
REP 24 Laser Unit .....	<a href="#">4-58</a>
REP 25 Fusing Unit .....	<a href="#">4-61</a>
REP 26 Paper Exit Assembly .....	<a href="#">4-63</a>
REP 27 Fusing Lamp and Heat Roller .....	<a href="#">4-65</a>
REP 28 Pressure Roller .....	<a href="#">4-70</a>
REP 29 Thermistor .....	<a href="#">4-73</a>
REP 30 Thermostat .....	<a href="#">4-74</a>
REP 31 Heat Roller Stripper Fingers .....	<a href="#">4-76</a>
REP 32 Paper Feed Roller .....	<a href="#">4-78</a>
REP 33 Registration Roller .....	<a href="#">4-81</a>
REP 34 Transfer Roller .....	<a href="#">4-84</a>
REP 35 Fan Assembly .....	<a href="#">4-86</a>
REP 36 Main Motor .....	<a href="#">4-87</a>
REP 37 Discharge Lamp Assembly .....	<a href="#">4-89</a>
REP 38 Scanner Cover and Document Pad .....	<a href="#">4-91</a>

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## REP 1 Control Panel

Parts List on: [PL 1](#)

### WARNING

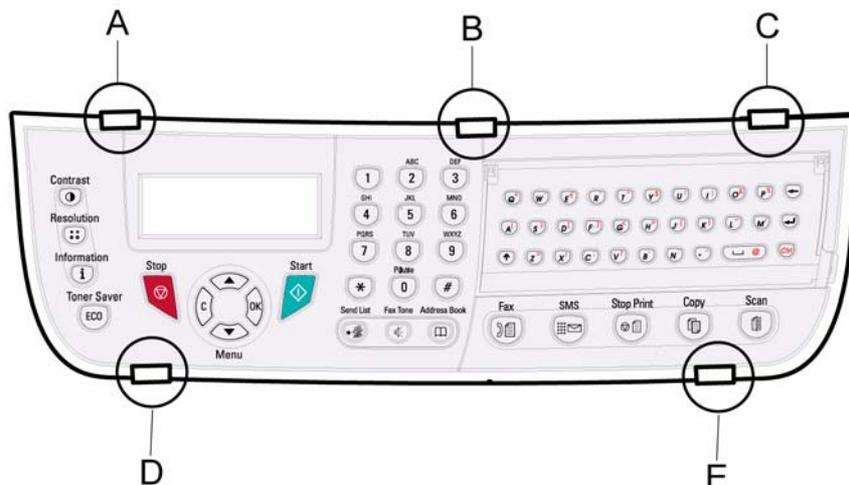
Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- None.

### Removal

1. Unlock the three clips of the front panel (**A**, **B** and **C**), Figure 1.



**Figure 1 (3100 MFP/X shown, 3100 MFP/S similar)**

2. Pull the panel forward to release it from the two bottom slots (**D** and **E**).

3. Disconnect the ribbon cable from the control panel board, Figure 2.



**Figure 2**

4. Remove the control panel.

## **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 2 ADF Cover and Document Pad

Parts List on: [PL 7](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- None.

### Removal

#### Document Pad:

1. Raise the ADF.
2. Remove the document pad located on the underside of the ADF, Figure 1.



Figure 1

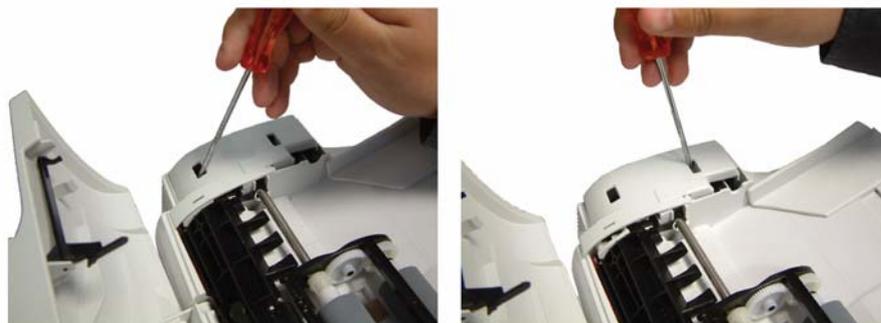
**ADF Cover:**

1. Close the ADF and open the ADF cover assembly, Figure 2.



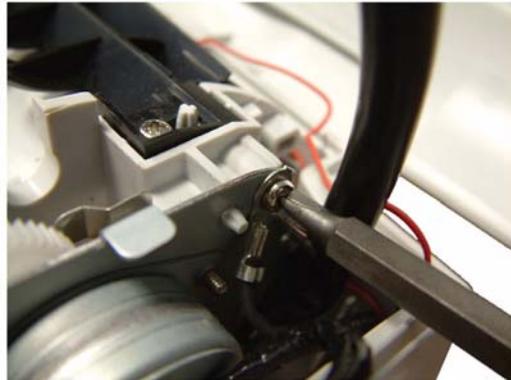
**Figure 2**

2. Remove the ADF motor cover from its two slots using a flat screwdriver then remove the ADF motor cover, Figure 3.



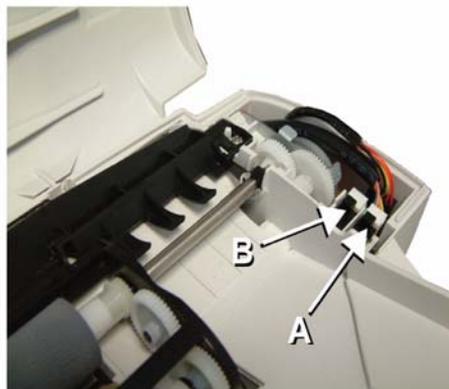
**Figure 3**

3. Unscrew the mounting screw of the ground cable, Figure 4.



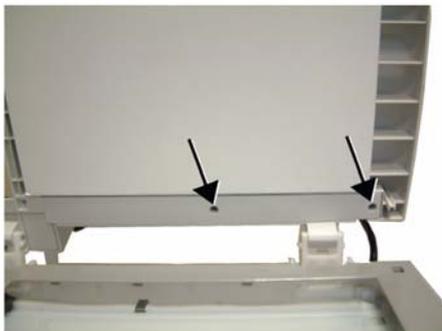
**Figure 4**

4. Disconnect the ADF cover sensor connector (A) and the paper sensor connector (B), Figure 5.



**Figure 5**

5. Open the ADF cover, unscrew the two mounting screws of the cable cover and remove the cable cover, Figure 6.



**Figure 6**

6. Remove the ground cable, the ADF cover sensor connector and the paper sensor connector from their cable guide then slide them out of the ADF cover, Figure 7.



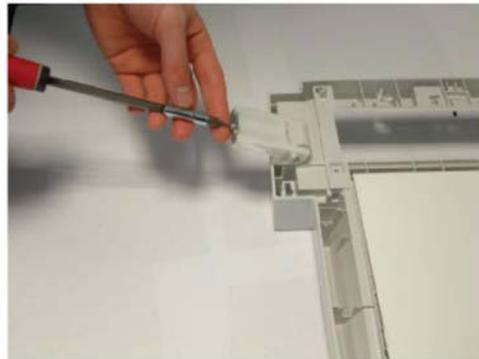
**Figure 7**

7. Insert a flat screwdriver in each slot of the two ADF cover hinges, Figure 8.



**Figure 8**

8. Lift and remove the ADF cover, do not forget the mounting screws of the hinges, Figure 9.



**Figure 9**

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 3 Front Door and Side Cover

Parts List on: [PL 2](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- None.

### Removal

#### Front Door:

1. Push the left and right side of the printer front door and simultaneously pull it forward.
2. Move the arms away from each other and remove the printer front door, Figure 1.



Figure 1

#### Side Covers:

1. Open the printer's paper tray.

2. Unscrew the two mounting screws on the front and back of the side covers, front mounting screw of the right hand side cover, back mounting screw of the right-hand side cover, Figure 2.



**Figure 2**

3. Using a flat screwdriver, release the tabs under the covers from their slots, Figure 3.



**Figure 3**

4. Unclip the side covers from the top slots located at the back of the machine and pivot them towards yourself to remove them, Figure 4.



**Figure 4**

5. Remove the side covers.

### **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 4 Feeder Assembly

Parts List on: [PL 8](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- None.

### Removal

1. Open the ADF cover, Figure 1.



**Figure 1**

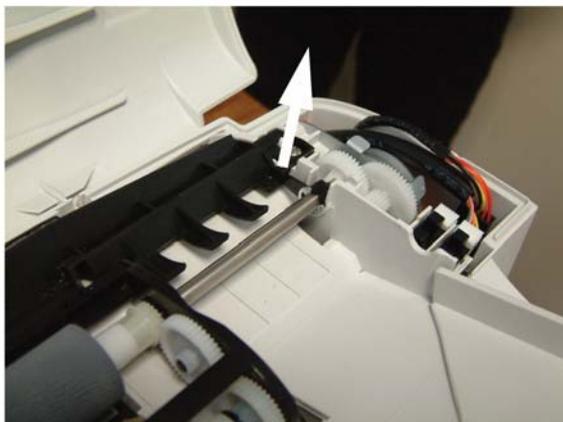
2. Remove the ADF motor cover, refer to [REP 2](#).

3. Lift the roller bearing, Figure 2.



**Figure 2**

4. Lift the roller bearing from the other end of the feeder, Figure 3.



**Figure 3**

5. Lift the feeder and remove the feeder.

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 5 Retard Pad and Cork Pad

Parts List on: [PL 8](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the feeder assembly, [REP 4](#).

### Removal

#### Rocking Plate:

1. Insert a screwdriver in the right slot as shown below and make a pivoting movement downwards without strain to remove the retard pad.
2. Repeat the previous step for the left slot of the retard pad, Figure 1.

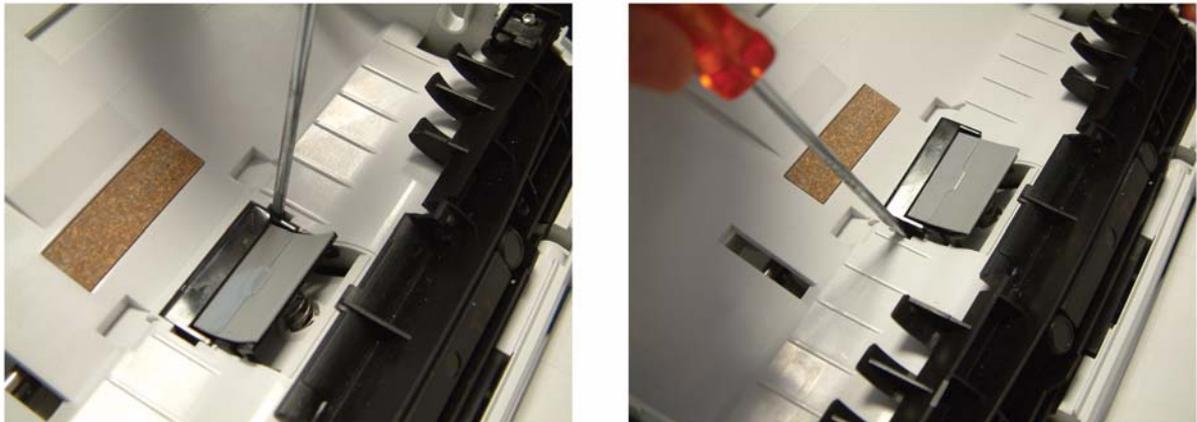
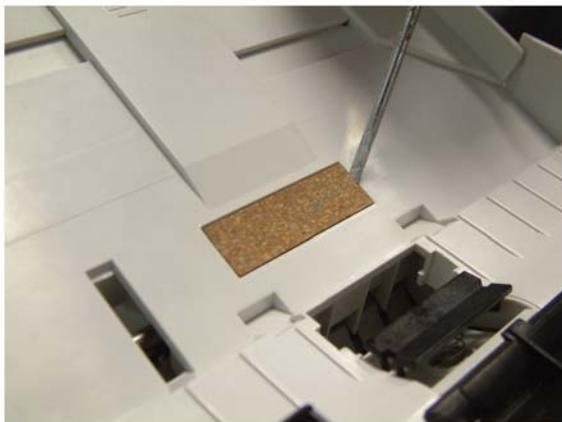


Figure 1

3. Remove the feed roll assembly.

### Cork Dad:

4. Insert a screwdriver in the right slot as shown below and make a pivoting movement downwards without strain to remove the cork pad, Figure 2.



**Figure 2**

## Replacement

### Cork Pad

1. Make sure that the slot of the cork on the paper input guide is clean.
2. Replacement is the reverse of the removal procedure.

### Retard Pad Assembly:

1. Replacement is the reverse of the removal procedure.

## REP 6 ADF Document Feed Assembly

Parts List on: [PL 7](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

None.

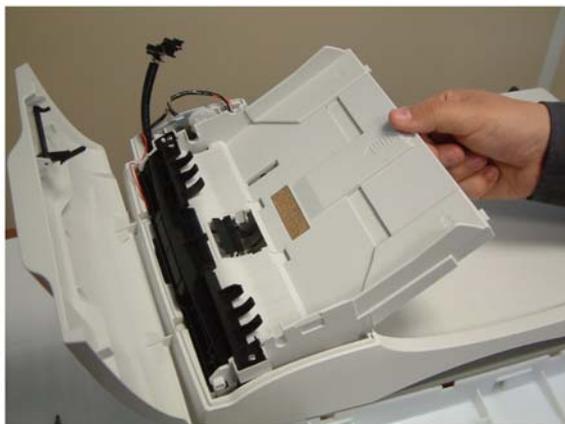
### Removal

1. Lift the ADF cover and unscrew the two mounting screws of the document feed assembly, Figure 3.



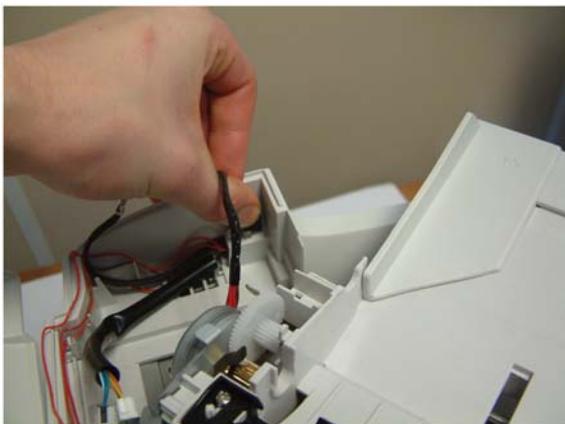
Figure 3

2. Lift the document feed assembly and remove it from its slot without disassembling it, Figure 4.



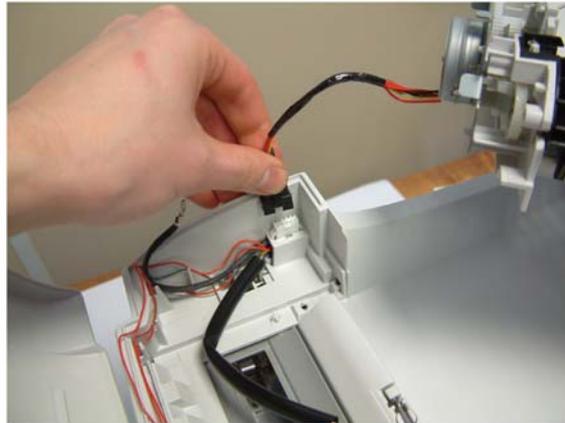
**Figure 4**

3. Remove the motor frame cable from its cable guide, Figure 5.



**Figure 5**

4. Disconnect the connector to the ADF cover and remove the assembly, Figure 6.



**Figure 6**

## **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 7 Upper Paper Guide Assembly

Parts List on: [PL 8](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the feeder assembly, [REP 4](#).

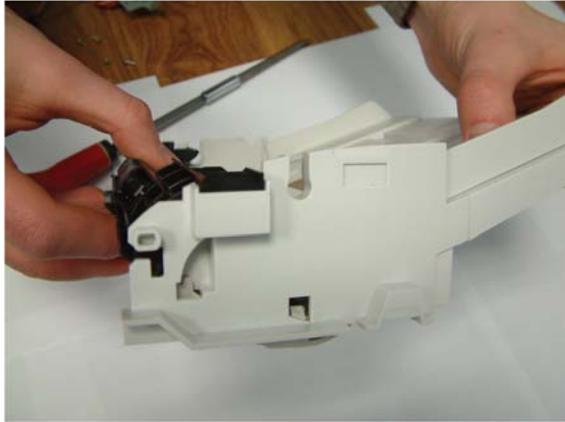
### Removal

1. Open the ADF cover.
2. Unscrew the two mounting screws of the paper guide assembly, Figure 1.



Figure 1

3. Pull out the paper guide assembly, Figure 2.



**Figure 2**

## **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 8 Motor Frame

Parts List on: [PL 8](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the feeder assembly, [REP 4](#).
- Remove the document feed assembly, [REP 6](#).

### Removal

1. Unscrew the mounting screw of the motor frame, Figure 1.

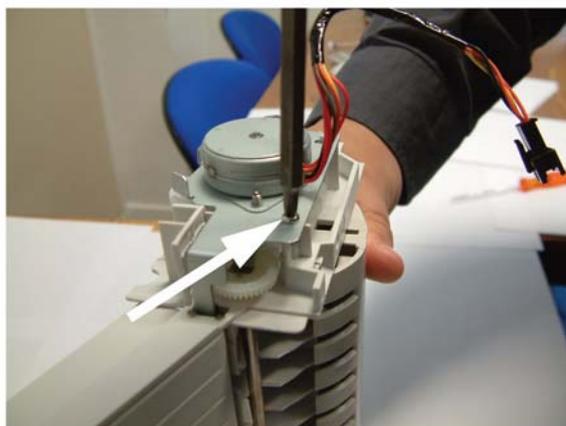


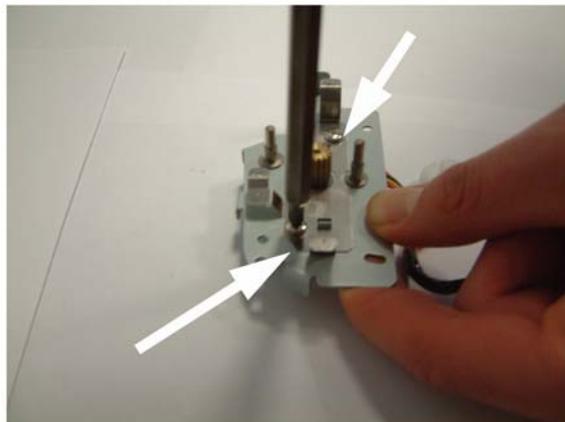
Figure 1

2. Lift and remove the motor frame. Take note of the location of the teeth gears, then remove them, Figure 2.



**Figure 2**

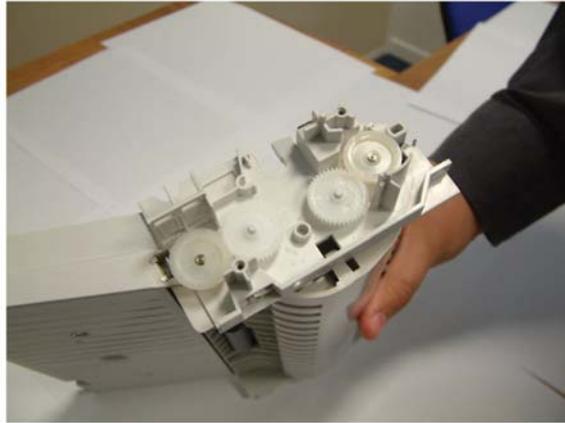
3. If required unscrew the two mounting screws of the motor and remove the motor, Figure 3.



**Figure 3**

## Replacement

1. Replacement is the reverse of the removal procedure.
2. Position the teeth gears respecting their location identified during disassembly, Figure 4.



**Figure 4**

## REP 9 ADF Feed Guide / Registration Roll / Paper Deflector

Parts List on: [PL 9](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the feeder assembly, [REP 4](#).
- Remove the ADF document feed assembly, [REP 6](#)
- Remove the motor frame [REP 8](#).

### Removal

#### ADF Feed Guide

1. Turn the assembly upside down.
2. Lift the ADF feed guide to remove it from the ADF document feed assembly, Figure 1.

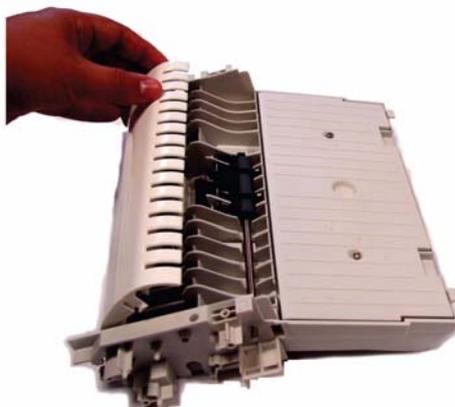


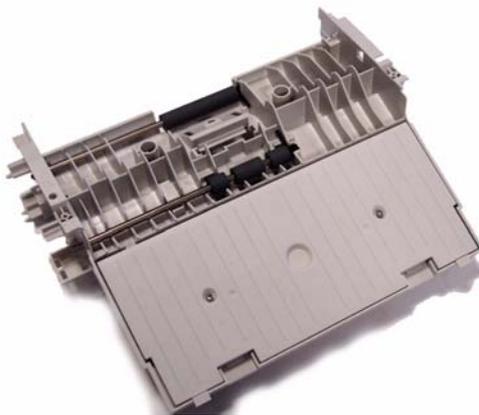
Figure 1

### Paper Deflector

3. Turn the ADF assembly upside down.
4. Unclip the paper deflector and remove it.

### Registration Roller

5. Turn the assembly upside down.
6. Turn each roller bearing of the registration roller, Figure 2.



**Figure 2**

7. Remove the E-clip, bearing, gear then the registration roller.

## Replacement

### ADF Feed Guide

1. Replacement is the reverse of the removal procedure.

### Paper Deflector

2. Position the paper deflector on the registration roller and press to clip it in place, Figure 3.

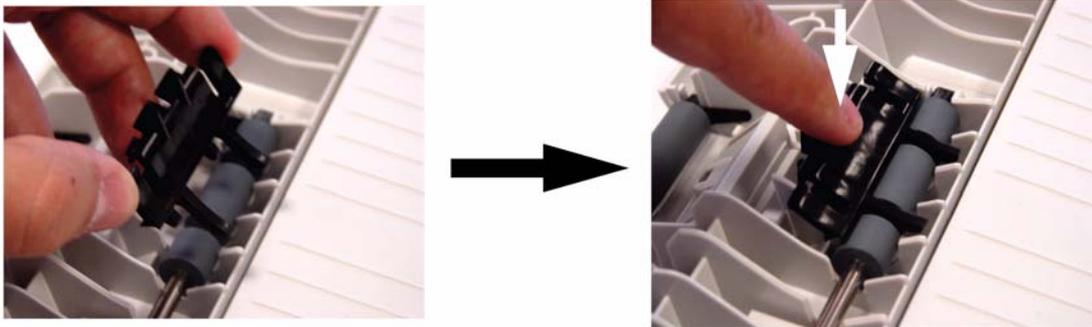


Figure 3

### Registration Roller

3. Replacement is the reverse of the removal procedure.

## REP 10 ADF Sliders and Antistatic Brush

Parts List on: [PL 8](#), [PL 9](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the feeder assembly, [REP 4](#).
- Remove the ADF document feed assembly, [REP 6](#)
- Remove the motor frame [REP 8](#).

### Removal

1. Turn the assembly upside down.
2. Remove the 2 mounting screws of the lower cover and remove it, Figure 1.

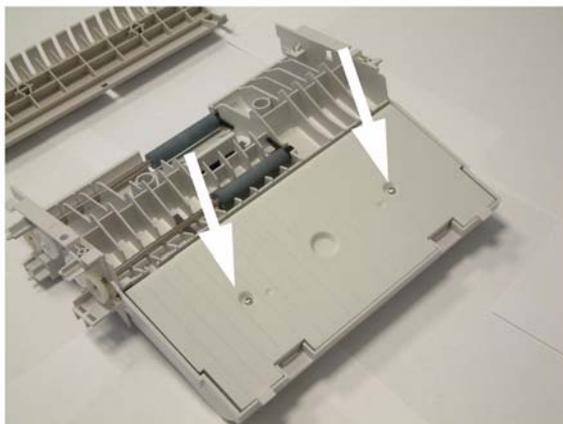


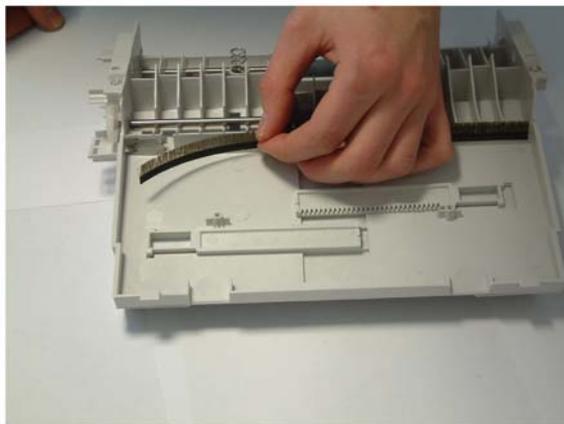
Figure 1

3. Lift the rack gears and remove them from the input tray assembly, Figure 2.



**Figure 2**

4. Carefully remove the antistatic brush, Figure 3.



**Figure 3**

## Replacement

1. Replacement is the reverse of the removal procedure.
2. Check that the slot of the antistatic brush is clean. Position the antistatic brush in its slot and press on the lower part to make sure the adhesives are strongly fixed.

## REP 11 CPU Module

Parts List on: [PL 2](#)

### WARNING

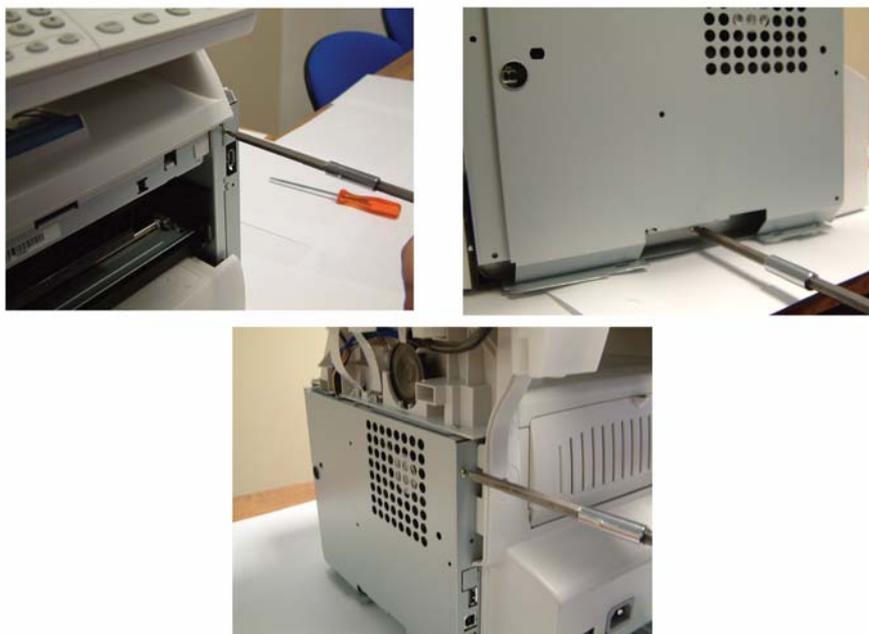
Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Print the machine's parameters (user, administrator and technical) and the activity counter values in order to keep a record (▼ **5 6**). You can also store user parameters and directory entries on a smart card (▼ \* **6**) and restore them (▼ \* **9**) after the machine is serviced.
- Remove the printer front door assembly and the right side cover, [REP 3](#).

### Removal

1. Unscrew the three mounting screws of the CPU board shield plate, Figure 1.



**Figure 1**

2. Pull the CPU board shield plate forwards and remove it.

3. Unscrew the mounting screw of the CPU card ground connector and disconnect it, Figure 2.



**Figure 2**

4. Disconnect all connectors from the CPU board.

**CAUTION**

*Note all connections for reassembly.*

5. Unscrew the eight mounting screws and remove the CPU board, Figure 3.



**Figure 3**

## Replacement

1. Replacement is the reverse of the removal procedure.
2. Connect all connectors to the CPU board, Figure 4.



**Figure 4**

3. Perform the scanner calibration (▼ 80).

## REP 12 Speaker

Parts List on: [PL 2](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the printer front door assembly and the right side cover, [REP 3](#).
- Remove the CPU shield plate, [REP 11](#).

### Removal

1. Disconnect the speaker connector from the CPU board.

### CAUTION

*Before removing the speaker harness from the ferrite tube make a note of the routing.*

2. Remove the speaker connector from its ferrite tube and cable guide, Figure 1.

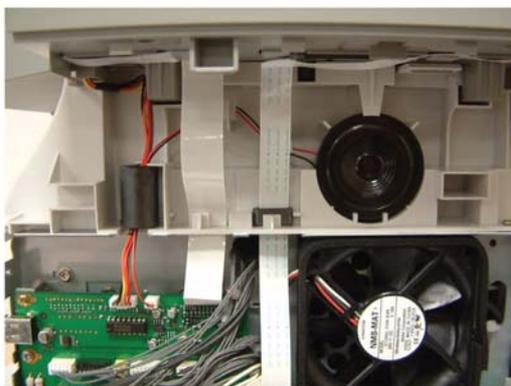


Figure 1

3. Press the top clip inwards until it unclips and pull out the speaker, Figure 2.



**Figure 2**

## **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 13 Back Cover

Parts List on: [PL 3](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the ADF cover, [REP 2](#).
- Remove the printer front door and the side covers, [REP 3](#).
- Remove the CPU shield plate, refer to [REP 11](#).
- Remove the platen assembly, [REP 16](#).

### Removal

1. Unscrew the two back mounting screws on the back cover (A and B), Figure 1.

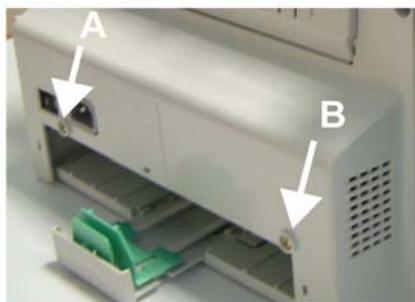


Figure 1

2. Unscrew the two top mounting screws on the back cover (C and D), Figure 2.



**Figure 2**

3. Pull the back cover and remove it.

### **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 14 Output Tray Assembly

Parts List on: [PL 3](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the ADF cover, [REP 2](#).
- Remove the front door and the side covers, [REP 3](#).
- Remove the CPU shield plate, [REP 11](#).
- Remove the speaker, [REP 12](#).
- Remove the platen assembly, [REP 16](#).
- Remove the back cover, [REP 13](#).

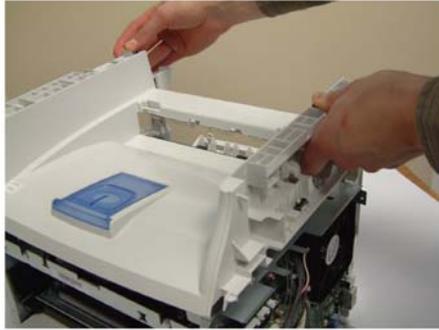
### Removal

1. Unscrew the two mounting screws on the left and right side on the output tray assembly, Figure 1.



Figure 1

2. Lift and remove the output tray assembly, Figure 2.



**Figure 2**

### **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 15 Machine Disassembly

Parts List on: [PL 2](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- None.

### Removal

1. Stand in front of the machine.
2. Remove the control panel [REP 1](#).
3. Remove the ADF cover ([REP 2](#)) or the platen cover ([REP 38](#)).
4. Remove the front door and the side covers ([REP 3](#)).
5. Remove the CPU module ([REP 11](#)) and the speaker ([REP 12](#)).
6. Remove the platen assembly ([REP 16](#)).
7. Remove the back cover ([REP 13](#)) and the output tray assembly ([REP 14](#)).

### Replacement

1. Replacement is the reverse of the removal procedure.

## REP 16 Scanner Assembly

Parts List on: [PL 2](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Print the machine's parameters (user, administrator and technical) and the activity counter values in order to keep a record (▼ **5 6**). You can also store user parameters and directory entries on a smart card (▼ \* **6**) and restore them (▼ \* **9**) after the machine is serviced.
- Remove the printer front door and the side covers, [REP 3](#).
- Remove the CPU shield plate, [REP 11](#).

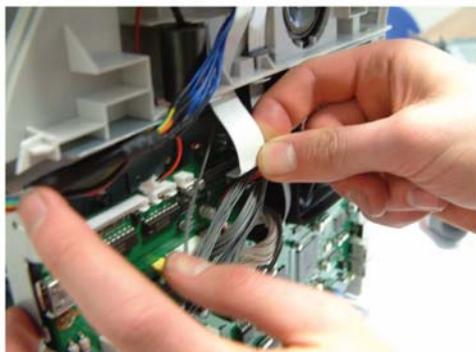
### Removal

1. Disconnect the scanner connector from the CPU board and remove it from its ferrite tube and cable guide.

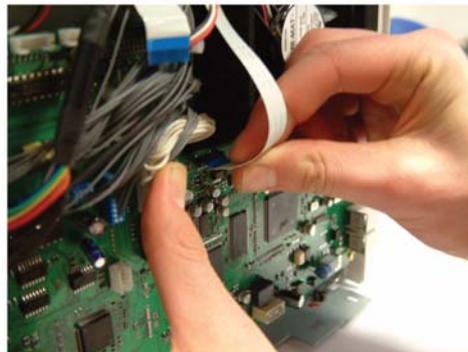
### CAUTION

*Before removing the ribbon connections make a note of the correct connection positions.*

2. Disconnect the front panel ribbon cable and the CIS ribbon cable from the CPU board, Figure 1.



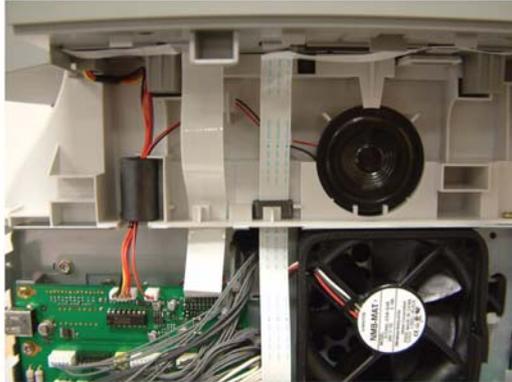
Panel ribbon connection



CIS ribbon connection

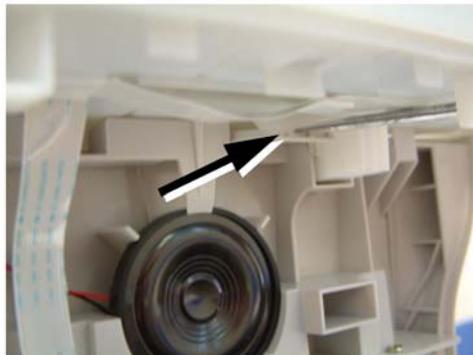
Figure 1

3. Remove the front panel and CIS ribbon cables from their cable guide, Figure 2.



**Figure 2**

4. Use a flat head screwdriver to unhook, then remove the scanner assembly, Figure 3.



**Figure 3**

5. Lift, then remove the platen assembly, Figure 4.



**Figure 4**

### **Replacement**

1. Replacement is the reverse of the removal procedure.
2. Perform the scanner calibration (▼ **80**).

## REP 17 Power Supply Unit

Parts List on: [PL 13](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the print cartridge.
- Remove the paper tray.
- Remove the output tray assembly, [REP 14](#)
- Remove the right and left shield, refer to [REP 36](#)

### Removal

1. Remove the power supply unit, Figure 1.

1  
Remove 4 connectors,  
circled in blue



2  
Remove 9 screws to  
remove the power  
supply unit

Figure 1

### Replacement

1. Replacement is the reverse of the removal procedure.

## REP 18 Scanner Frame

Parts List on: [PL 5](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the ADF cover, [REP 2](#), or the platen cover, [REP 38](#).
- Remove the front door and the side covers, [REP 3](#).
- Remove the CPU shield plate, [REP 11](#).
- Remove the platen assembly, [REP 16](#).

### Removal

1. Remove the two mounting screws on the frame (**A** and **B**) and turn the cover upside down, Figure 1.

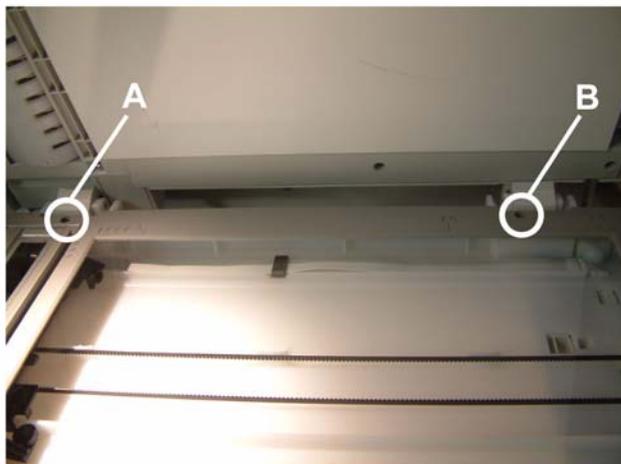
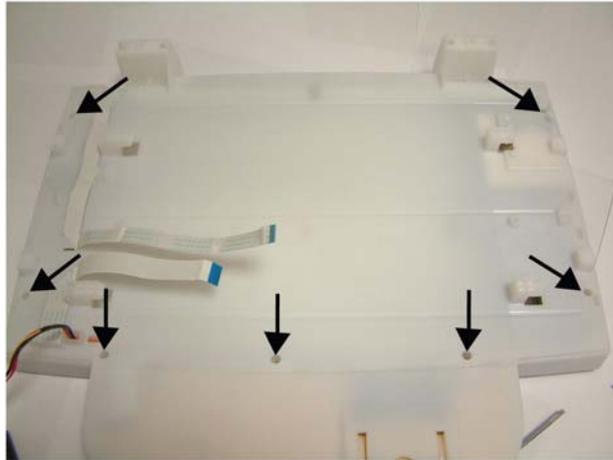


Figure 1

2. Unscrew the seven mounting screws at the back of the frame and turn it upside down, Figure 2.



**Figure 2**

3. Lift the front part of the scanner frame and remove it, Figure 3.



**Figure 3**

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 19 CIS

Parts List on: [PL 5](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the ADF cover, [REP 2](#).
- Remove the printer front door and the side covers, [REP 3](#).
- Remove the CPU armour plate, [REP 11](#).
- Remove the platen assembly, [REP 16](#).

### Removal

1. Lift the CIS backwards, Figure 1.

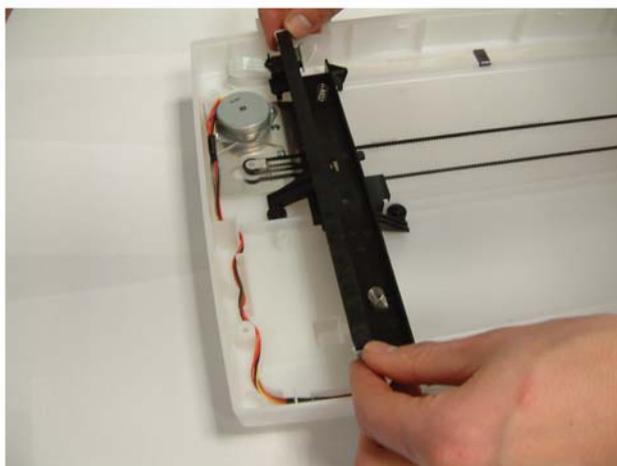


Figure 1

2. Disconnect the CIS ribbon cable and remove it from its two side slots, Figure 2.

**CAUTION**

*Keep the CIS support springs and slides.*



**Figure 2**

3. Remove the CIS.

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 20 CIS Ribbon Cable

Parts List on: [PL 6](#)

### WARNING

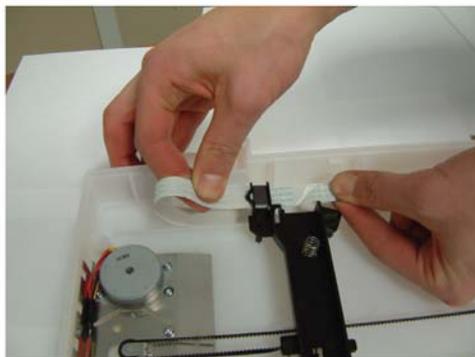
Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the ADF cover, [REP 2](#).
- Remove the front door and the side covers, [REP 3](#).
- Remove the CPU shield plate, [REP 11](#).
- Remove the platen assembly, [REP 16](#).

### Removal

1. Unfold the end of the CIS ribbon cable and remove it from its slot, Figure 1.



**Figure 1**

2. Slide the CIS ribbon cable out of its ferrite tube which is fixed to the CIS panel and remove it from the scanner.
3. Remove the CIS ribbon cable from its cable guides located above and below the scanner bottom then slide it to remove it from the scanner bottom.

### CAUTION

*Note the cable guide position for reassembly.*

4. Remove the CIS ribbon cable.

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 21 CIS Support

Parts List on: [PL 6](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the ADF cover, [REP 2](#).
- Remove the front door and the side covers, [REP 3](#).
- Remove the CPU shield plate, [REP 11](#).
- Remove the platen assembly, [REP 16](#).

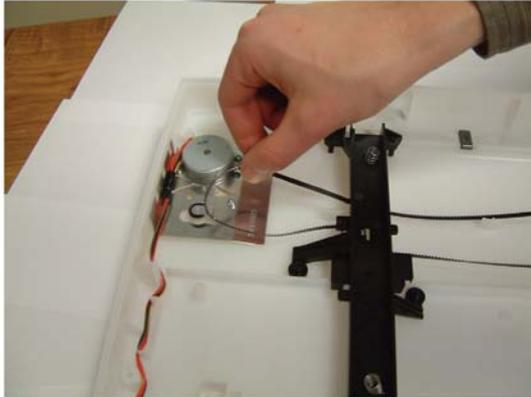
### Removal

1. Lift the CIS drive pulley and the drive to remove the CIS drive pulley from its slot, Figure 1.



Figure 1

2. Remove the belt from the drive pulley, Figure 2.



**Figure 2**

3. Lift then remove the CIS panel.

## **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 22 Scanner Motor

Parts List on: [PL 5](#)

### WARNING

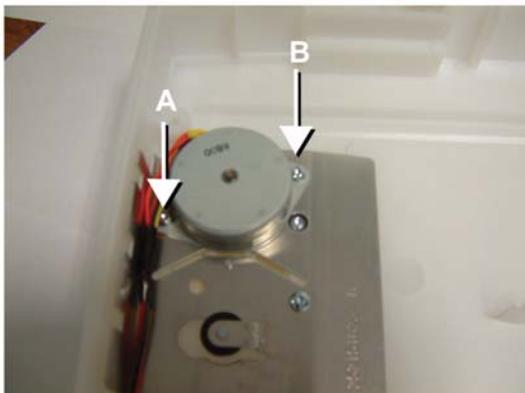
Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the ADF cover, [REP 2](#).
- Remove the front door and the side covers, [REP 3](#).
- Remove the CPU shield plate, [REP 11](#).
- Remove the platen assembly, [REP 16](#).

### Removal

1. Unscrew the two mounting screws of the scanner motor (**A** and **B**), Figure 1.



**Figure 1**

2. Remove the end of the scanner motor connector from its ferrite tube.

3. Remove the CIS motor connector from its cable guide, Figure 2.



**Figure 2**

4. Remove the scanner motor.

## **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 23 Paper Tray Components

Parts List on: [PL 10](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

None.

### Removal

1. Remove the paper tray, Figure 1.



Figure 1

## Pinion Gear

2. Remove the pinion gear, Figure 2.



Figure 2

3. Unhook and lift the bottom plate, Figure 3.



**Figure 3**

4. Unhook the left pinion gear. Repeat with the right pinion gear.

**Bottom Plate**

5. Unhook the bottom plate from the pivots pins at both sides of the cassette, Figure 3.

## Friction Pad

6. Release 2 hooks from below, Figure 4.

### CAUTION

*When releasing the hooks take care not to lose the spring.*

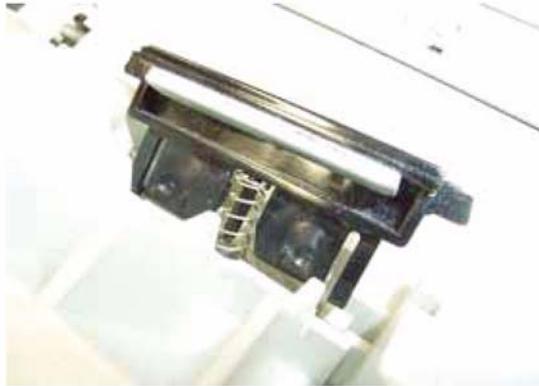


Figure 4

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 24 Laser Unit

Parts List on: [PL 13](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.



### WARNING

Avoid exposure to laser beam. Invisible laser radiation.

## Preparation

1. Remove the output tray assembly, [REP 14](#)

## Removal

2. Remove the laser unit, Figure 1.

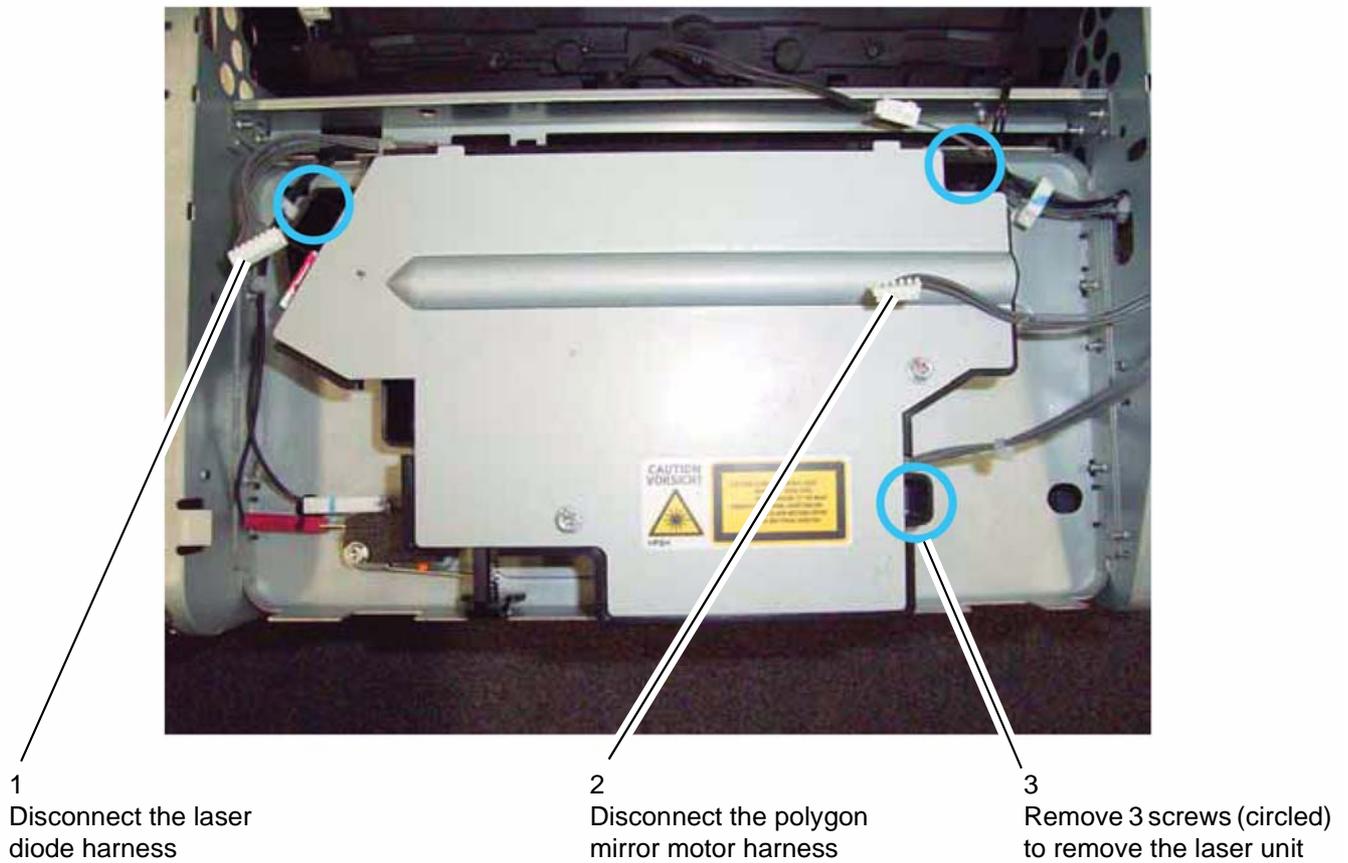


Figure 1

## Replacement

1. Replacement is the reverse of the removal procedure.
2. When reassembling, ensure to set the positioning pin in the hole, Figure 2.



**Figure 2**

## REP 25 Fusing Unit

Parts List on: [PL 12](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### WARNING

Do not touch the fuser while it is hot.

### Preparation

- Remove the output tray assembly, [REP 14](#)

### Removal

- Remove the fusing unit, Figure 1.

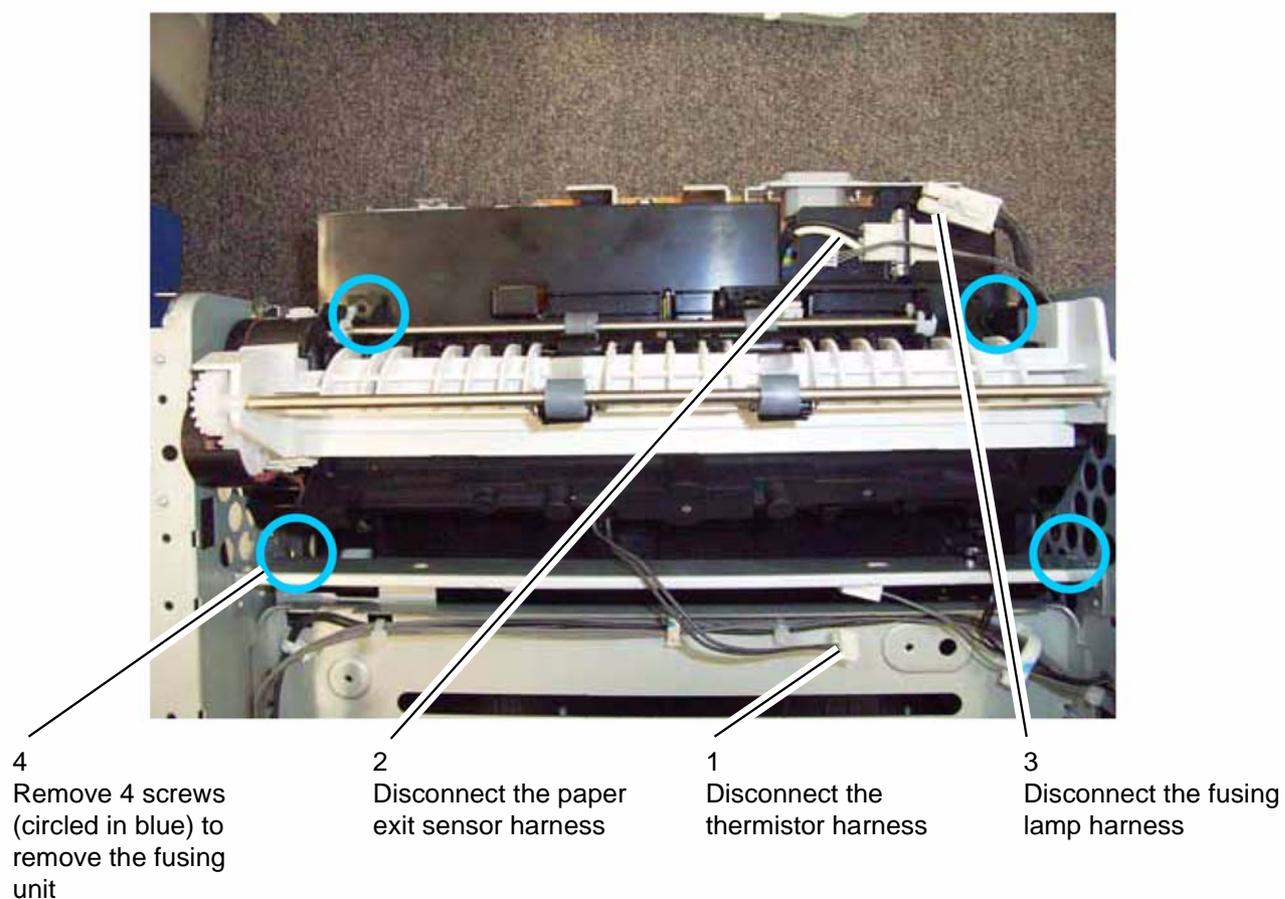


Figure 1

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 26 Paper Exit Assembly

Parts List on: [PL 12](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the fuser, [REP 25](#)

### Removal

1. Remove the end plate, Figure 1.

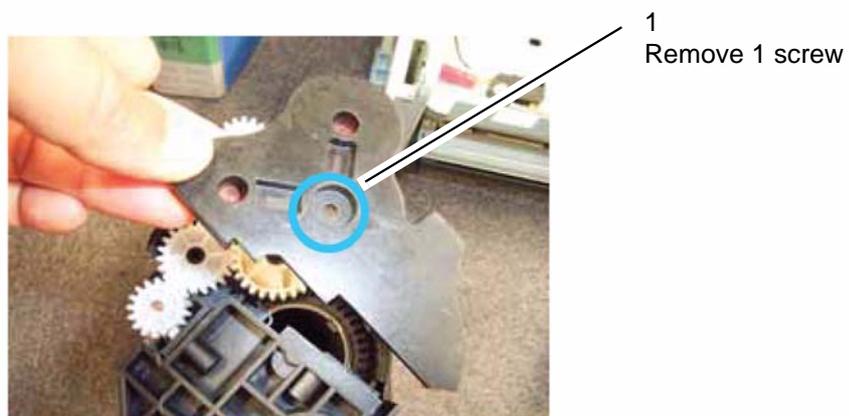
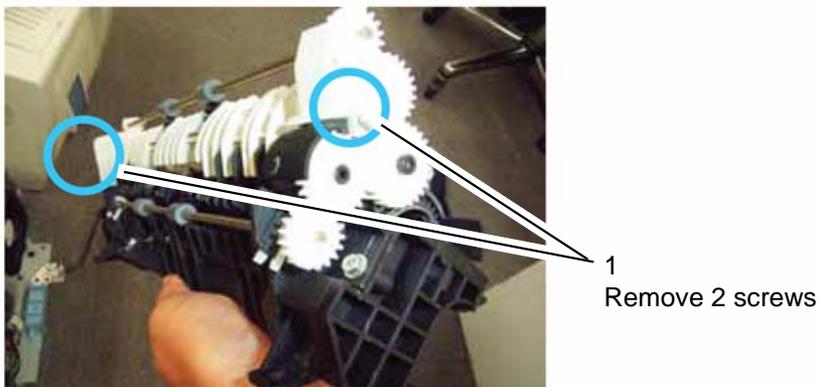


Figure 1

2. Remove 2 screws to remove the paper exit assembly, Figure 2 and Figure 3.



**Figure 2**



**Figure 3**

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 27 Fusing Lamp and Heat Roller

Parts List on: [PL 12](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### WARNING

Do not touch the fuser while it is hot.

### Preparation

- Remove the paper exit assembly, [REP 26](#).
- Remove the fuser, [REP 25](#)

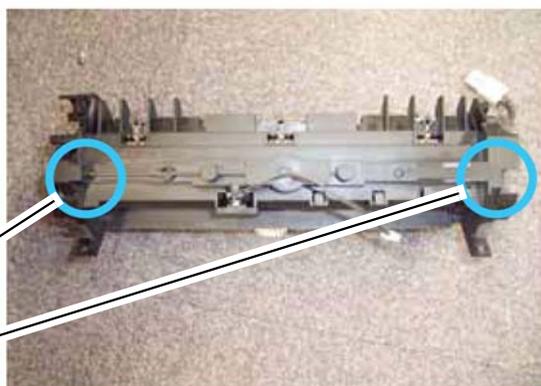
## Removal

### Fusing Lamp

1. Release the fusing lamp, Figure 1.

#### **CAUTION**

*Do not touch the surface of the fusing lamp with bare hands. Take care when removing the lamp, it can break if not handled with care.*



- 1  
Remove 2 screws,  
1 at each end of the fusing lamp

**Figure 1**

2. Remove the fusing lamp from the fuser, Figure 2.

1  
Carefully remove the fusing lamp by withdrawing it from the fuser



Figure 2

### Hot Roller

3. Disconnect the electrode, Figure 3.

1  
Disconnect the electrode

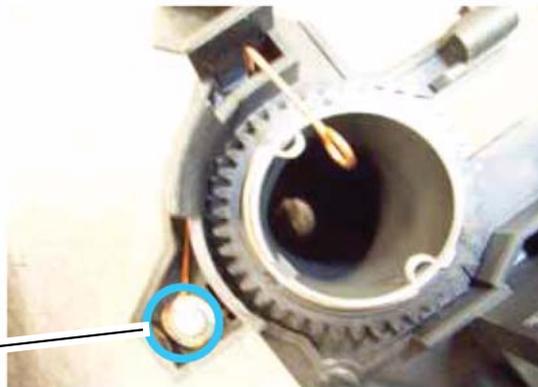


Figure 3

4. Pull the heat roller out of the fuser unit, Figure 4.

**CAUTION**

*Do not touch the surface of the heat roller with bare hands.*



**Figure 4**

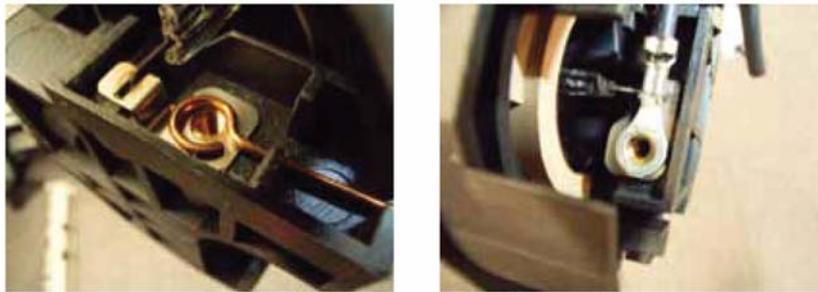
## Replacement

1. Replacement is the reverse of the removal procedure.

### **CAUTION**

*When re-assembling, be careful not to damage the stripper fingers.*

2. When reassembling, be careful to set the fusing lamp on the frame first, then set the terminals, Figure 5.



**Figure 5**

## REP 28 Pressure Roller

Parts List on: [PL 12](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### WARNING

Do not touch the fuser while it is hot.

### Preparation

- Remove the paper exit assembly, [REP 26](#).
- Remove the fusing lamp and hot roller, [REP 27](#).

## Removal

1. Remove the pressure roller, Figure 1.

### CAUTION

*Note the position of the bushing and spring at each end of the roller.*

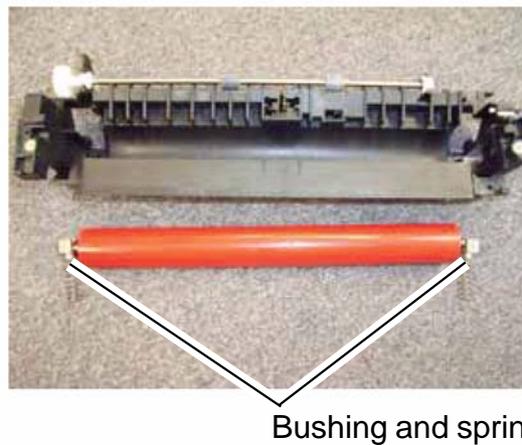
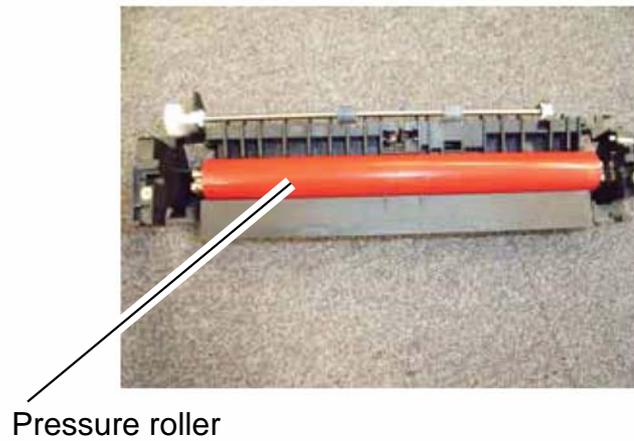


Figure 1

## Replacement

1. Replacement is the reverse of the removal procedure.
2. When re-assembling, be careful to set the bushing and spring in the correct position, Figure 2.

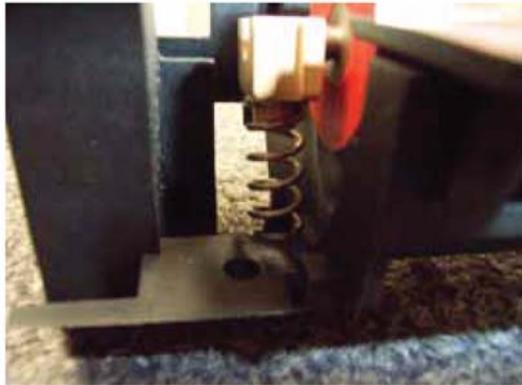


Figure 2

## REP 29 Thermistor

Parts List on: [PL 12](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### WARNING

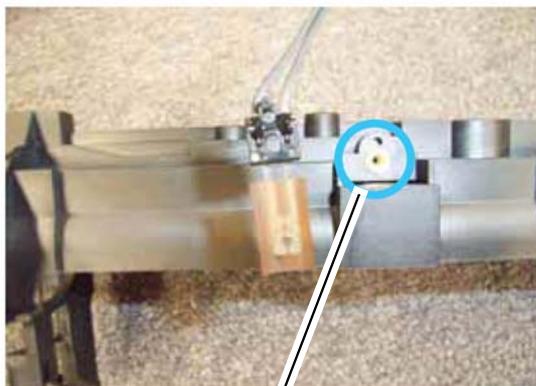
Do not touch the fuser while it is hot.

## Preparation

- Remove the paper exit assembly, [REP 26](#).

## Removal

- Remove the thermistor, Figure 1.



1

Remove 1 screw to remove the thermistor

## Replacement

- Replacement is the reverse of the removal procedure.

### CAUTION

*When reassembling, do not damage the thermistor, and check that the element touches the hot roller.*

## REP 30 Thermostat

Parts List on: [PL 12](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### WARNING

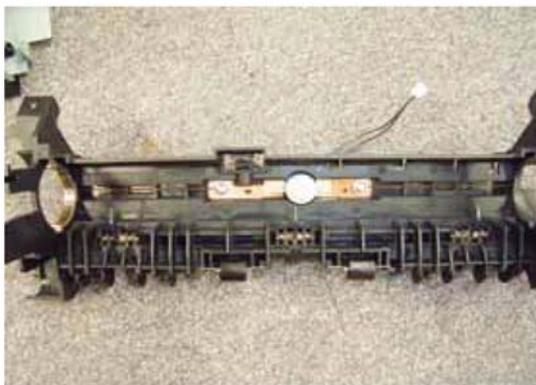
Do not touch the fuser while it is hot.

### Preparation:

- Remove the paper exit assembly, [REP 26](#).
- Remove the fusing lamp and hot roller, [REP 27](#).

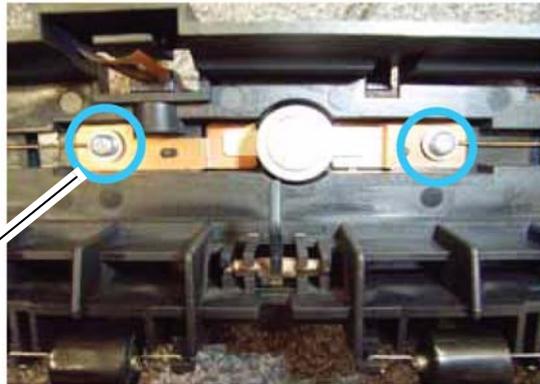
### Removal

1. Remove the thermostat, Figure 1 and Figure 2.



Location of the thermostat on the fuser

Figure 1



1. Remove 2 screws (circled) to remove the thermostat

**Figure 2**

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 31 Heat Roller Stripper Fingers

Parts List on: [PL 12](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### WARNING

Do not touch the fuser while it is hot.

### Preparation

- Remove the paper exit assembly, [REP 26](#).
- Remove the fusing lamp and hot roller, [REP 27](#).

### Removal

1. Identify the location of the heat roller stripper fingers, Figure 1.

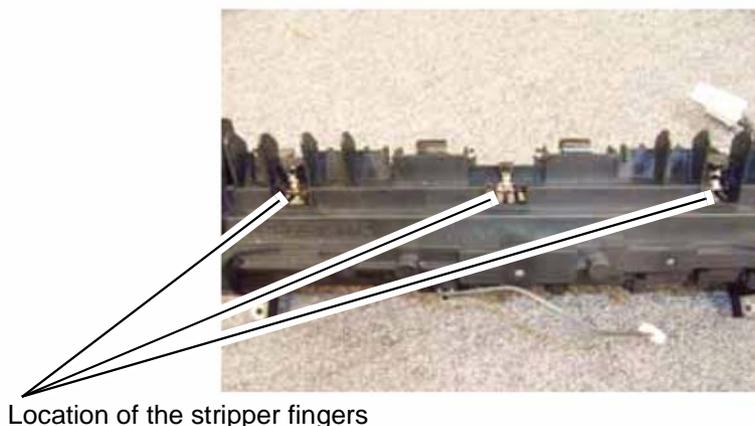


Figure 1

2. Remove the heat roller stripper fingers, Figure 2,



**Figure 2**

## **Replacement**

1. Replacement is the reverse of the removal procedure.

### **CAUTION**

*When reassembling, be careful not to lose the spring.*

## REP 32 Paper Feed Roller

Parts List on: [PL 11](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the output tray assembly, [REP 14](#)

### Removal

1. Remove the drive assembly, Figure 1.

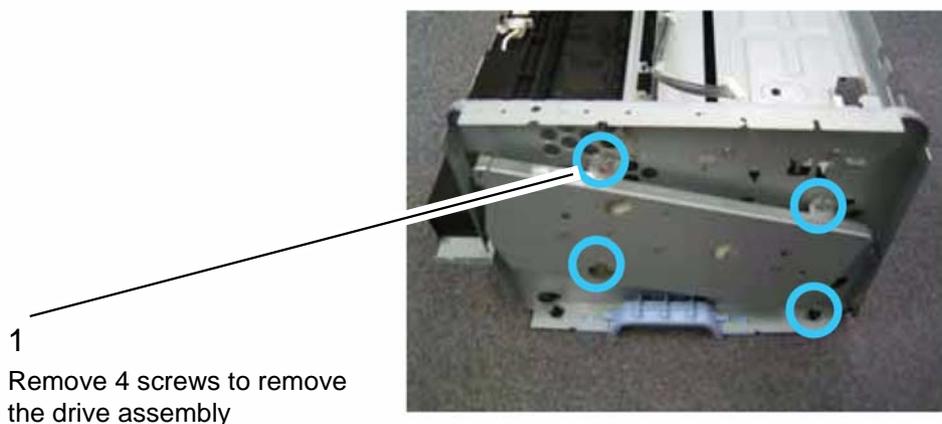
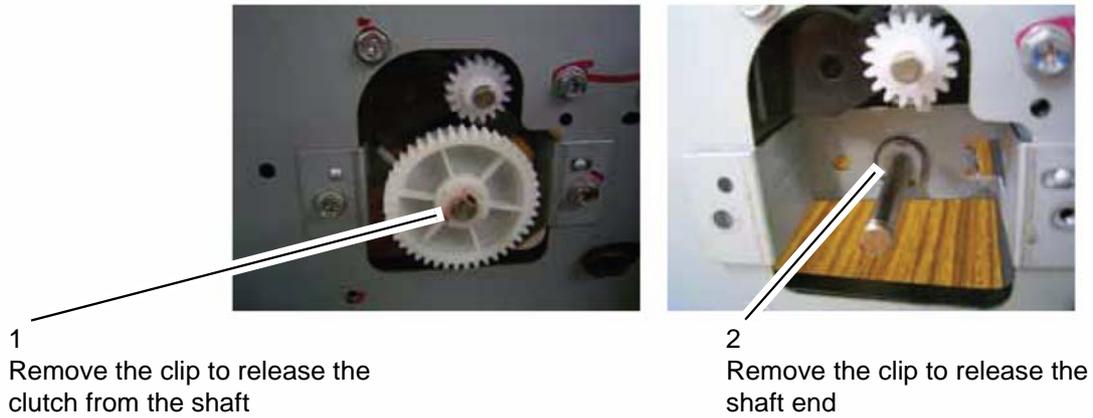


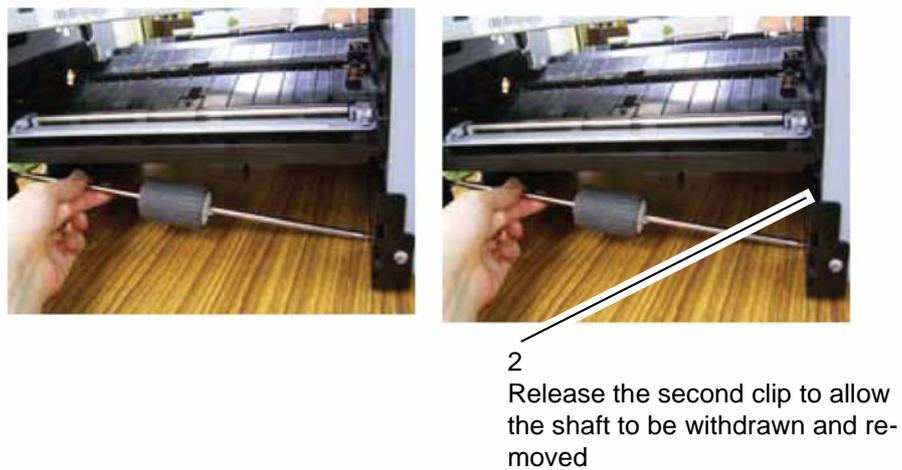
Figure 1

2. Remove the electromagnetic clutch assembly, Figure 2.



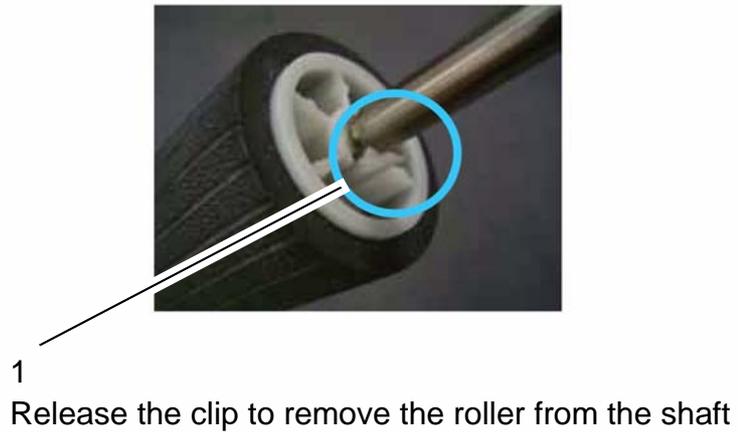
**Figure 2**

3. Release the second clip to remove the shaft, Figure 3.



**Figure 3**

4. Remove the paper feed roller from the shaft, Figure 4.



**Figure 4**

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 33 Registration Roller

Parts List on: [PL 11](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the paper tray.
- Remove the print cartridge.
- Remove the output tray assembly, [REP 14](#)

## Removal

1. Remove the surrounding components, Figure 1.

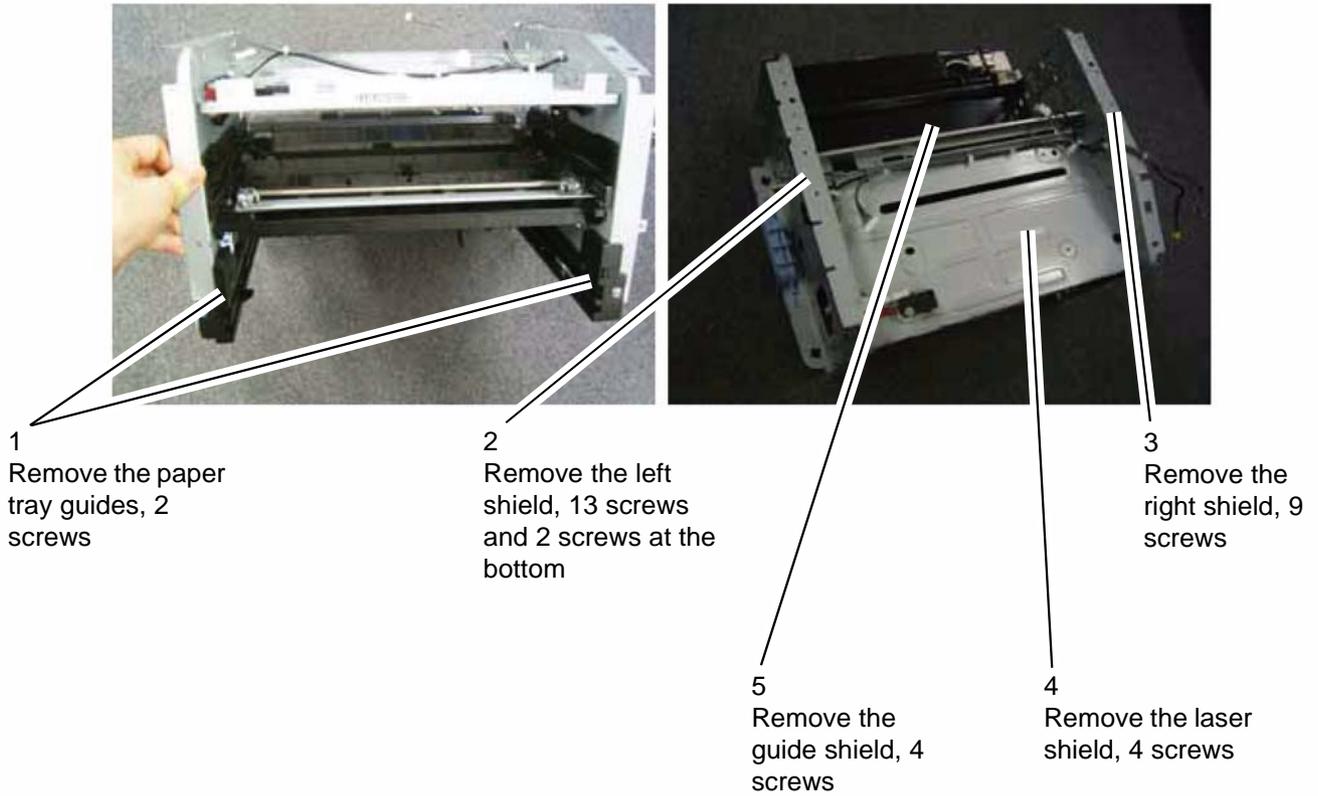


Figure 1

2. Remove the registration roller, Figure 2.



- 3  
Lift out the registration roller
- 2  
Remove 2 white bushings
- 1  
Remove 2 screws (circled)

Figure 2

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 34 Transfer Roller

Parts List on: [PL 11](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the print cartridge.
- Remove the output tray assembly, [REP 14](#).

### Removal

1. Remove the bushing at each end of the transfer roller, Figure 1.

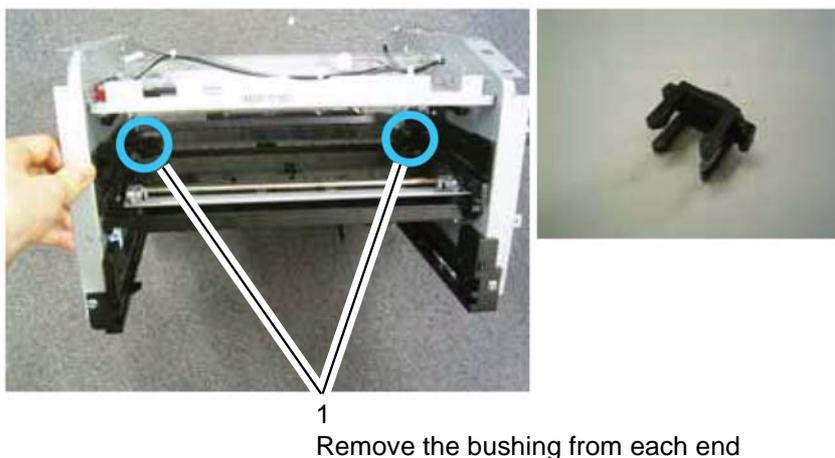
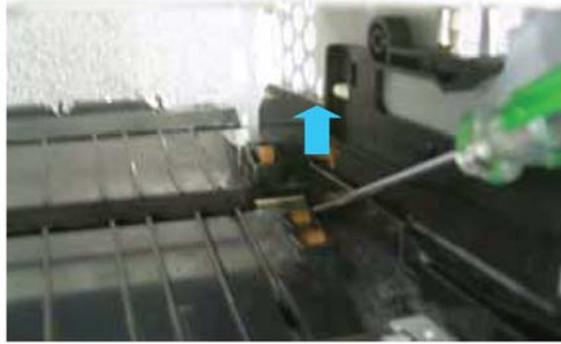


Figure 1

2. Use a screwdriver to lift the transfer roller out of the recess, Figure 2.



**Figure 2**

## **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 35 Fan Assembly

Parts List on: [PL 13](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the output tray assembly, [REP 14](#)

### Removal

1. Remove the fan assembly



Figure 1

### Replacement

1. Replacement is the reverse of the removal procedure.

## REP 36 Main Motor

Parts List on: [PL 11](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the paper tray.
- Remove the print cartridge.
- Remove the output tray assembly, [REP 14](#).
- Remove the laser unit, [REP 24](#).

### Removal

1. Remove the surrounding components, Figure 1 (detail Figure 2).

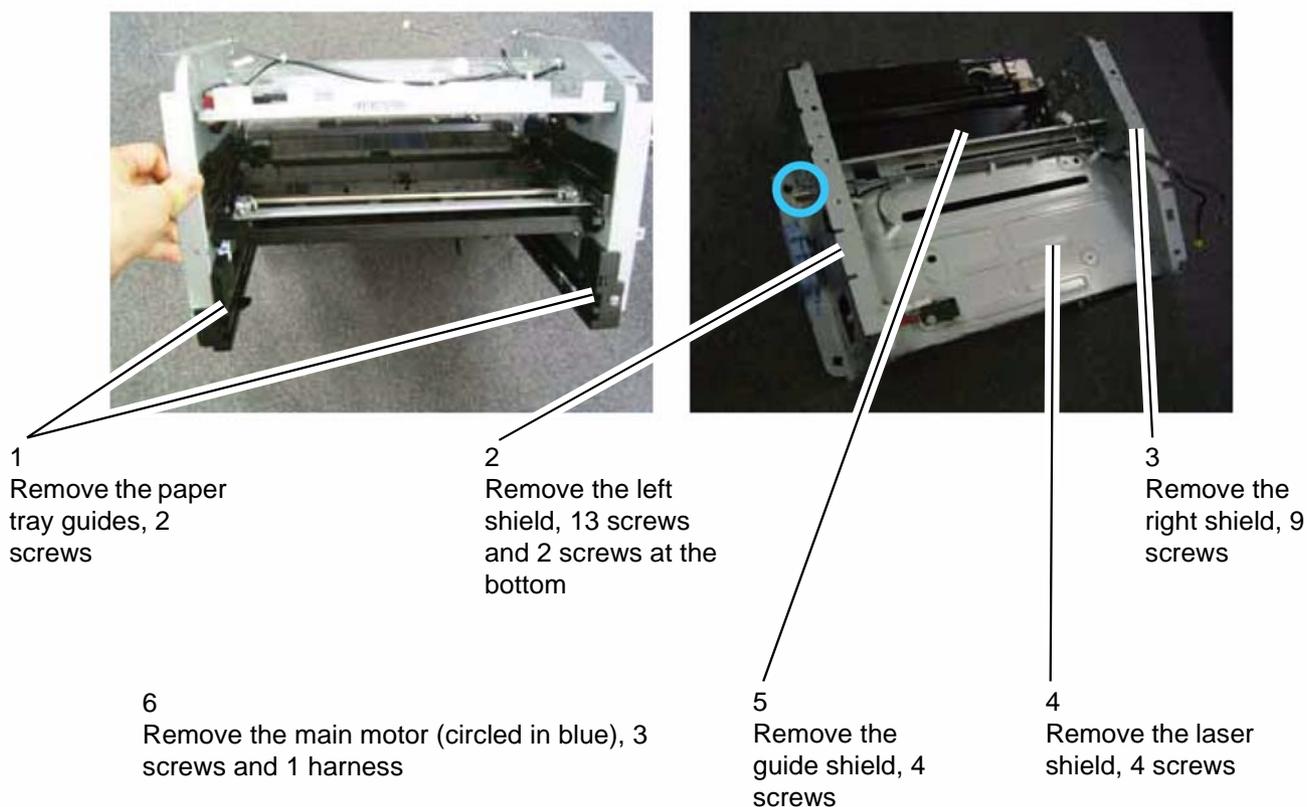


Figure 1



**Figure 2 Main motor**

## **Replacement**

1. Replacement is the reverse of the removal procedure.

## REP 37 Discharge Lamp Assembly

Parts List on: [PL 11](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

- Remove the fusing unit, [REP 25](#).

### Removal

- Remove the discharge lamp assembly, Figure 1.

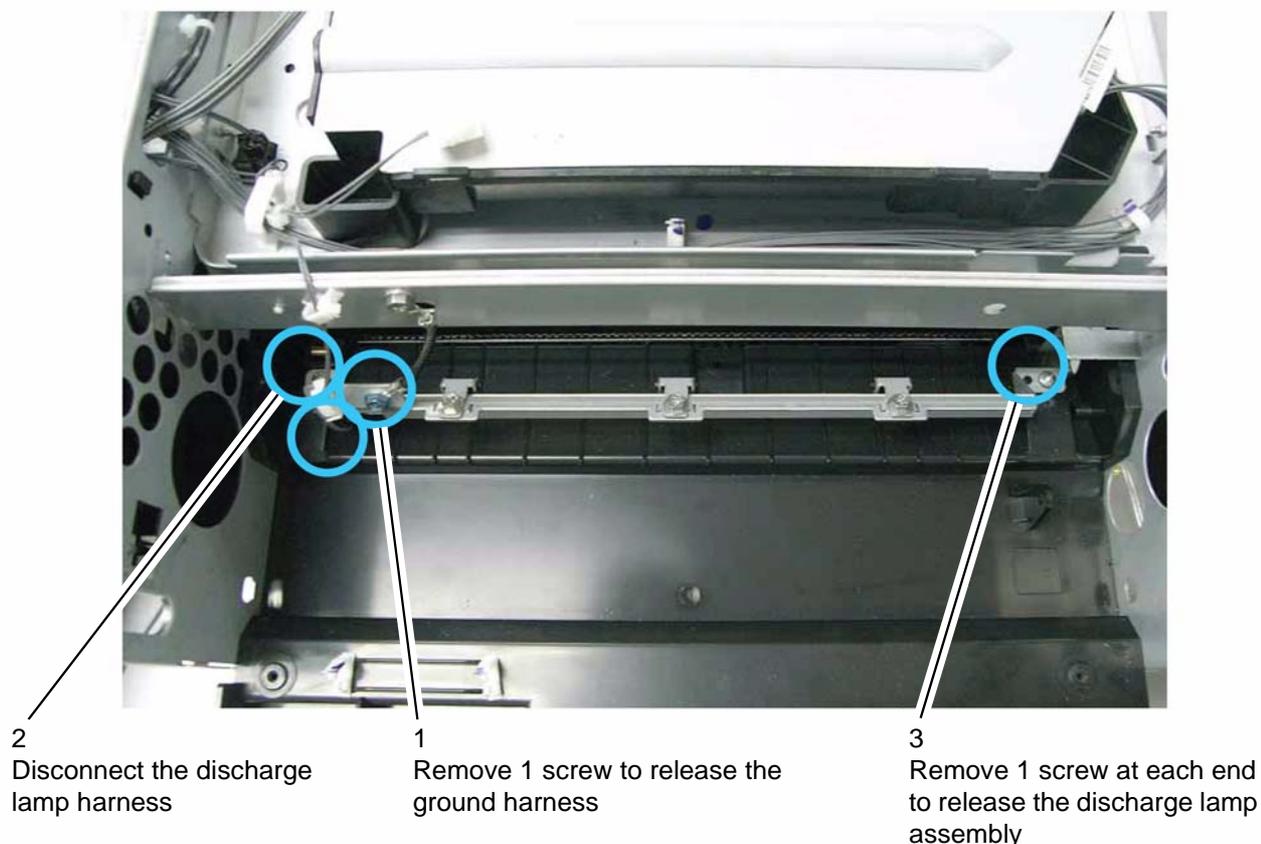


Figure 1

## Replacement

1. Replacement is the reverse of the removal procedure.

## REP 38 Scanner Cover and Document Pad

Parts List on: [PL 2](#)

### WARNING

Switch off the electricity to the machine. Disconnect the power cord from the customer supply while performing tasks that do not need electricity. Electricity can cause death or injury. Moving parts can cause injury.

### Preparation

None.

### Removal

#### Document Pad

1. Open the platen cover.
2. Remove the document pad located under the platen cover, Figure 1.



Figure 1

#### Platen Cover

3. Lift the platen cover to extract the two hinges from their slots and remove the platen cover.

### Replacement

1. Replacement is the reverse of the removal procedure.

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