

Removal and Installation

4

Introduction	4-2
Top Cover	4-4
Guide Plate	4-5
Left Cover	4-6
Right Cover	4-8
Rear Cover	4-10
Top Profile	4-11
Glass Plate	4-12
Entry Roller Shield	4-13
Exit Roller Shield	4-14
Camera Board	4-16
Camera Motor	4-17
Camera Lens	4-18
Power Supply Unit	4-20
Driver Board	4-24
Fan	4-26
Main Electronics Board	4-27
Smart Card Reader	4-29
Interface Board Cover	4-30
Interface Board	4-31
Stepper Motor	4-32
Fluorescent Lamp	4-33
Rollers	4-34
Media Detector Wires	4-39
Media Sensors	4-42
Belt	4-43
Bottom Cover	4-45
Mirror Chassis	4-46
Lamp Sensor	4-48
Reflector Assembly	4-49
Stitching Wire	4-51
White Background Assembly	4-54
Thickness Sensors	4-55

Introduction

This chapter is a step by step guide to the removal and installation of the key components in the product. You may find it useful to tick off the steps as they are performed. Use the illustration at each procedure to identify the parts referred to in the text.

The procedures appear in order of removal. So the whole product can be stripped down by starting at the beginning of this chapter and working through the subsequent procedures.

Safety Precautions

Review WARNING and CAUTION symbols and instructions before you service the product. Follow these warnings and cautions for your protection and to avoid damaging the product.

Serious shock hazard leading to death or injury may result if you do not take the following precautions:

Ensure that the ac power outlet (mains) has a protective earth (ground) terminal.

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

Prevent water or other liquids from running onto electrical components or circuits, or through openings in the module.

Electrostatic Discharge (ESD) Precautions

To prevent damage to the Product circuits from high-voltage electrostatic discharge (ESD):

1. Do not wear clothing that is subject to static build-up.
2. Do not handle integrated circuits (ICs) in carpeted areas.
3. Do not remove an IC or a printed circuit assembly (PCA) from its conductive foam pad or conductive packaging until you are ready to install it.
4. Ground (earth) your body while disassembling and working on the scanner. This can be done by touching any metallic part of the scanner.
5. After removing a cover from the scanner, attach an earthing (ground) lead between the PCA common and earth ground. Touch all tools to earth ground to remove static charges before using them on the scanner.
6. After removing any PCA from the scanner, place it on a conductive foam pad or into its conductive packaging to prevent ESD damage to any ICs on the PCA.

Required Tools

The following tools are required to disassemble and repair the scanner:

- PZ2 Screwdriver (90 mm blade)
- PZ1 Screwdriver
- Screwdriver (0.8 x 5)
- 1.3 mm Allen Key
- 1.5 mm Allen Key
- 2 mm Allen Key
- 2.5 mm Allen Key
- 3 mm Allen Key
- 4 mm Allen Key
- 5 mm Allen Key
- 5.5 mm Wrench
- 6 mm Wrench
- 7 mm Wrench
- 8 mm Wrench
- 13 mm Wrench

Top Cover

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.



1. Remove the 2 screws along the lower edge of the Top Profile.



2. Pull the front part of the Top Cover away from the scanner in order to release the upper part of the Top Cover.



3. Lift up the Top Cover and remove from the scanner.

Guide Plate

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.



1. Open the Top Cover.



2. Release the lock on both sides of the Guide Plate.



3. Raise both levers and lift up the Guide Plate.

Left Cover

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove 4 screws that secure the Left Cover from underneath.

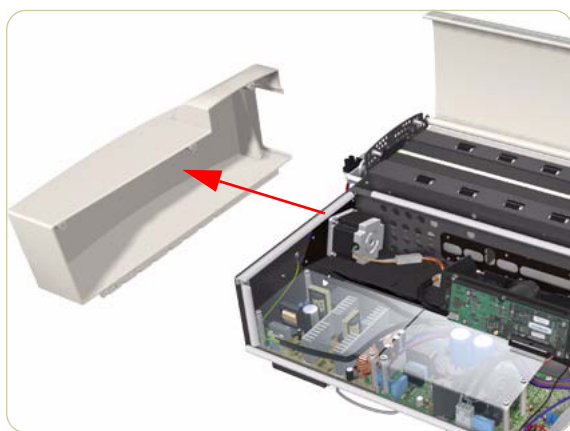


4. Remove 2 screws that secure the Left Cover from the side.



5. Remove 1 screw that secures the Left Cover from the top.





- 6.** Remove the Left Cover from the scanner.

Right Cover

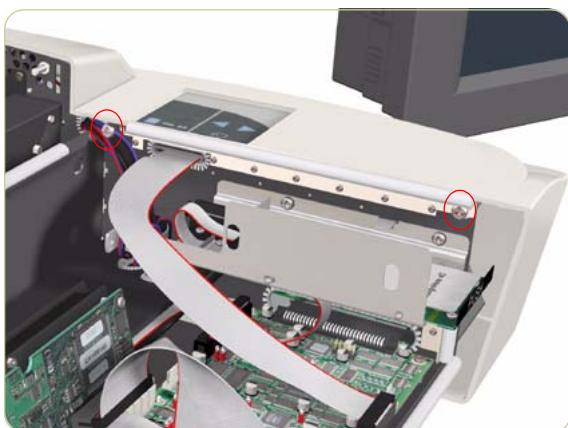
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove 4 screws that secure the Right Cover from underneath.

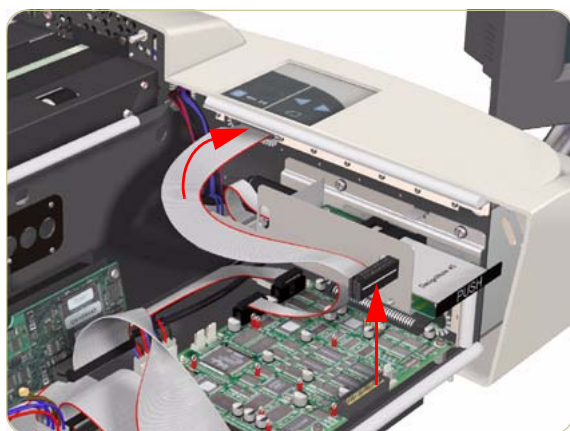


4. Remove 2 screws that secure the Right Cover from the side.

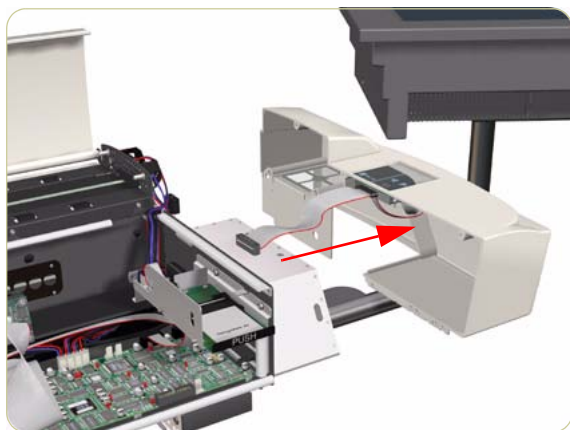


5. Remove 1 screw that secures the Right Cover from the top.





6. Disconnect the Operator Panel Cable from the Main Electronics and pass through the access hole.



7. Remove the Right Cover.

- When installing the Right Cover, make sure you have the correct ID switch settings on the Operators Panel (0=OFF, 1=ON):
 - hp designjet copier cc800ps: 00011000
 - hp designjet 815mfp: 00011011
 - hp designjet scanner 4200: 00100101

Rear Cover

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.



1. Remove 4 screws that secure the Rear Cover to the rear of the scanner.



2. Remove 4 screws that secure the Rear Cover to the lower edge of the scanner.



3. Remove the Rear Cover from the scanner.

Top Profile

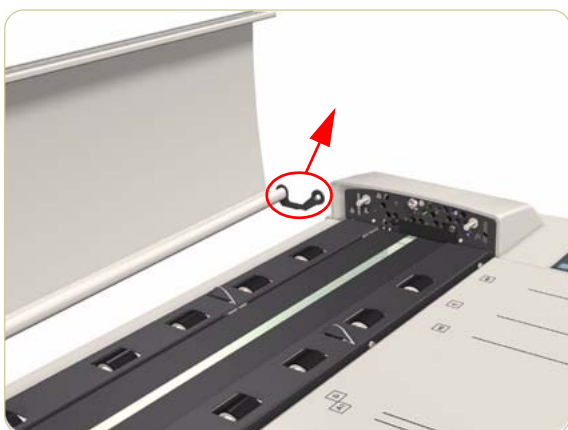
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Guide Plate ⇒ Page 4-5.
2. Remove 1 screw from one of the bearings of the Top Profile.



3. Slide the bearing out of the pivot in the Top Profile.



4. Remove the Top Profile from the scanner.



Glass Plate

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.



1. Remove the Guide Plate ⇒ Page 4-5.
2. Remove 1 screw from each side of the Glass Plate.

Take note of the orientation of the bearings when removing the Glass Plate.



3. Carefully lift up the Glass Plate and remove from the scanner.

Always clean the glass before replacing the Glass Plate.

Entry Roller Shield

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

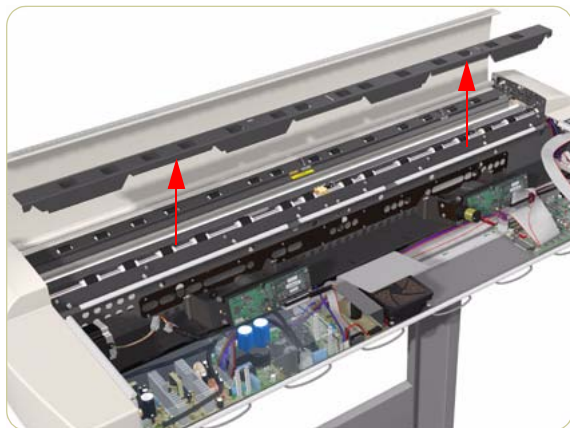
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Glass Plate ⇒ Page 4-12.
4. Remove the 2 front most guide pins for the Guide Plate.



5. Loosen 16 screws on the front side of the Entry Roller Shield.



6. Gently remove the Entry Roller Shield from the scanner. Be careful NOT to bend it or damage it while removing.



Exit Roller Shield

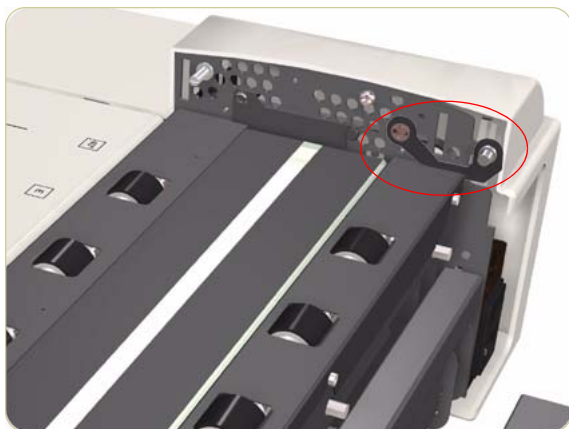
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Profile ⇒ Page 4-11.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Rear Cover ⇒ Page 4-10.
4. Remove the 2 rear guide pins for the Guide Plate.

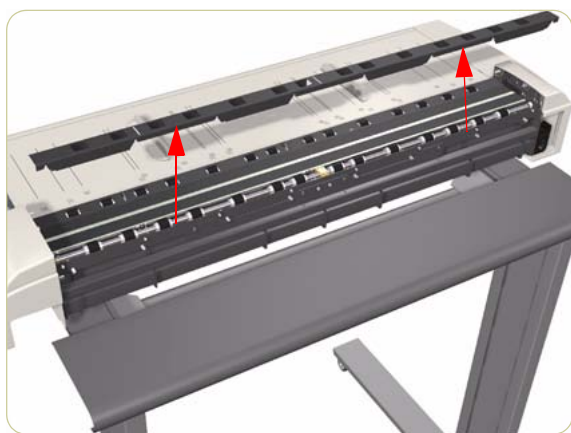


5. Remove the left and right hinges for the Top Profile.



6. Loosen 16 screws on the rear side of the Exit Roller Shield.





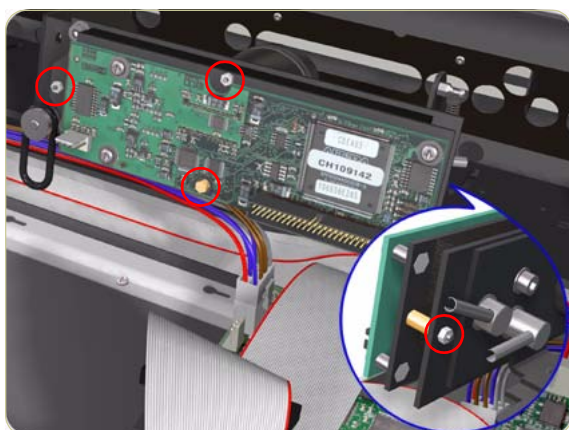
- 7.** Gently remove the Exit Roller Shield from the scanner. Be careful NOT to bend it or damage it while removing.

Camera Board

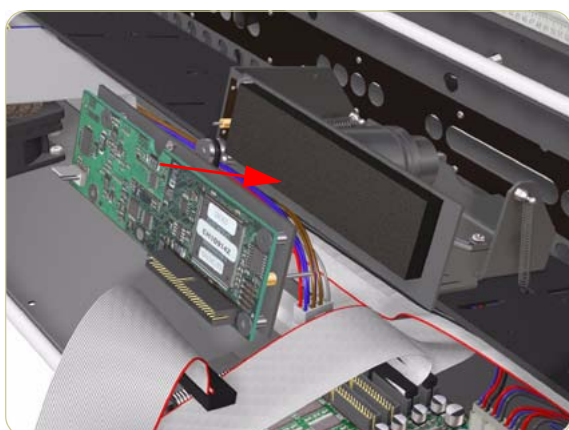
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Camera Motor ⇒ Page 4-17.
3. Disconnect the cable from the Camera Board that needs to be replaced.



4. Remove 4 nuts that secure the Camera Board.



5. Remove the Camera Board from the scanner.

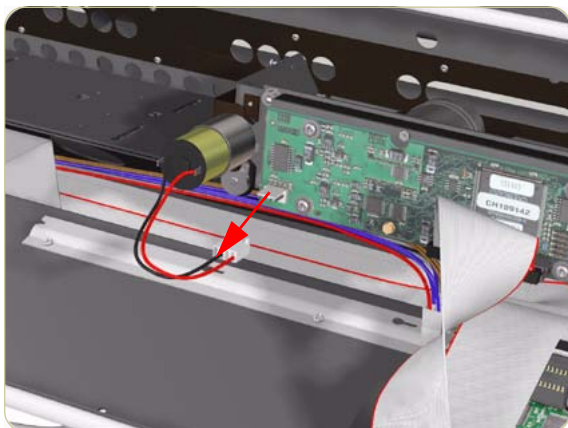
Make sure you perform the Camera Adjustment procedure after replacing the Camera Board.

Camera Motor

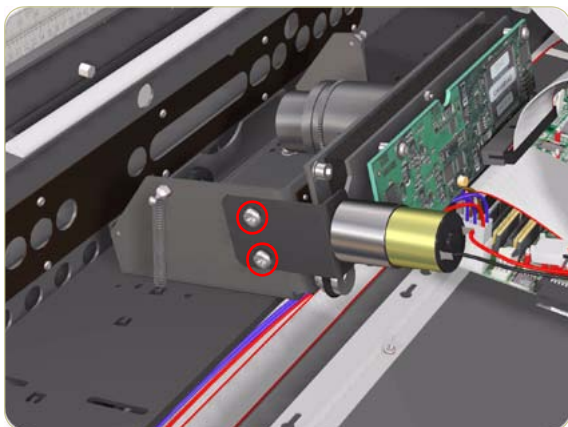
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

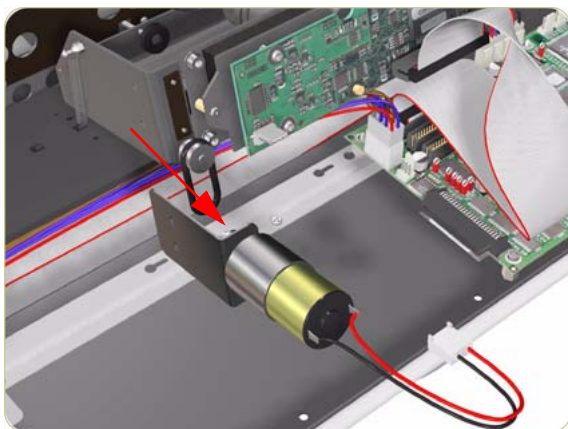
1. Remove the Top Cover ⇒ Page 4-4.
2. Disconnect the Camera Motor cable.



3. Remove 2 screws that secure the Camera Motor.



4. Release the belt and remove the Camera Motor from the scanner.



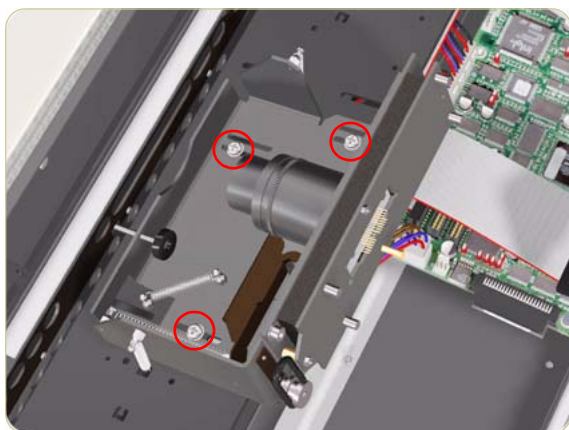
After reinstalling the Camera Motor, make sure you run the Scanner Maintenance.

Camera Lens

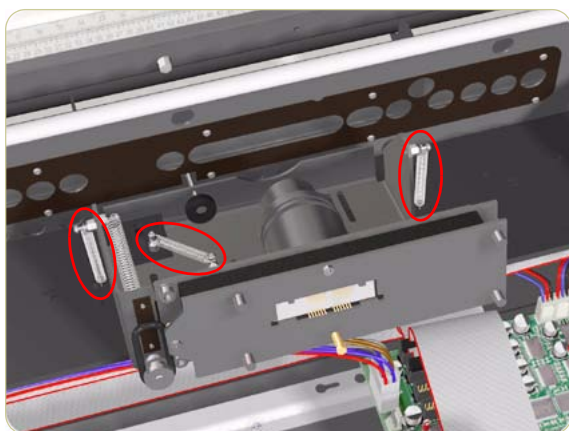
Removal

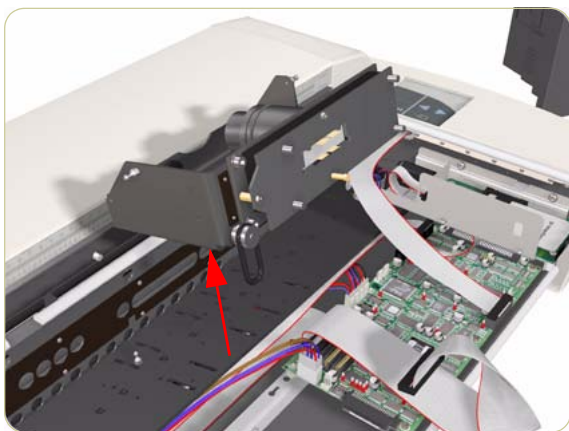
Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Camera Board ⇒ Page 4-16.
3. If installed, remove the Camera Motor ⇒ Page 4-17.
4. Remove 3 screws that secure the Camera Chassis.



5. Release the 3 springs securing the Camera Chassis.





6. Remove the Camera Lens from the scanner.

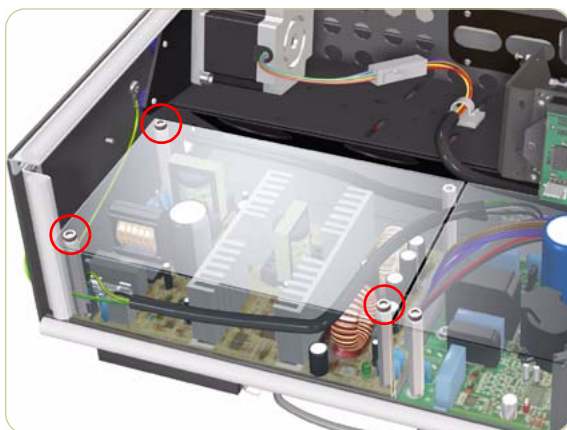
Make sure you perform the Camera Adjustment procedure after replacing the Camera Lens.

Power Supply Unit

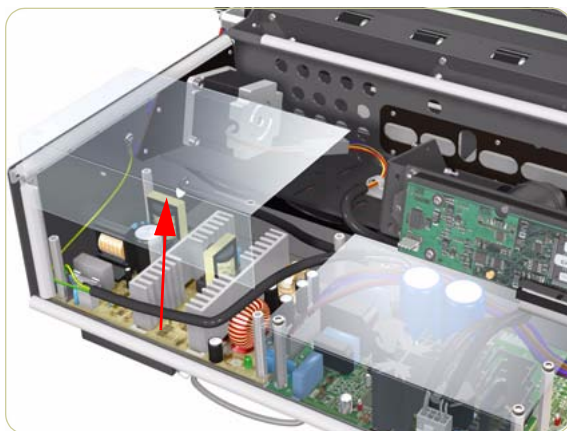
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

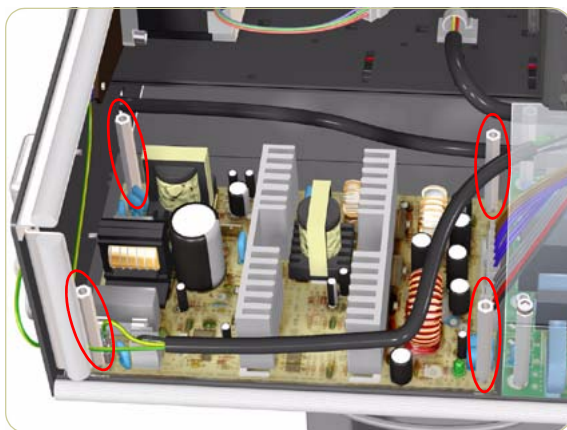
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Left Cover ⇒ Page 4-6.
4. Remove 3 screws from the Plastic Protector that covers the Power Supply Unit.

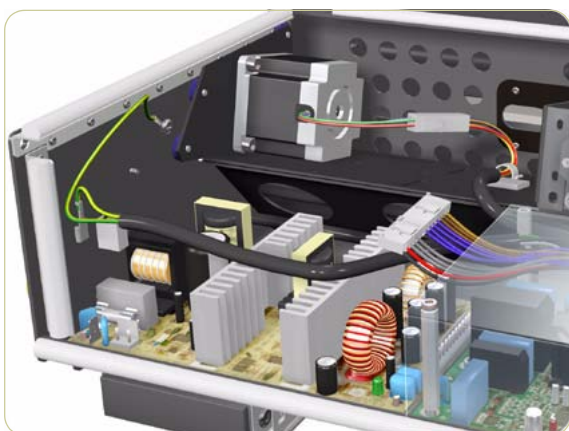


5. Remove the Plastic Protector.

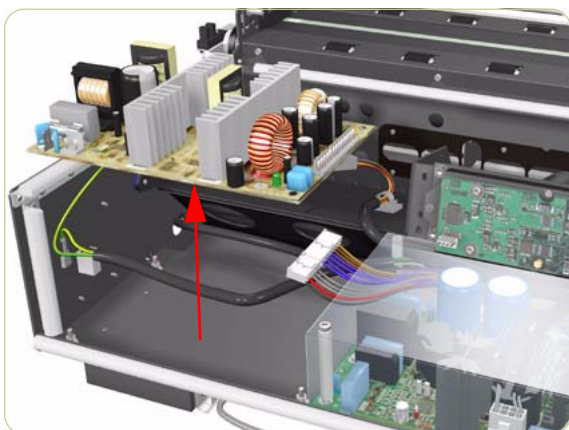


6. Remove the 4 screws that secure the Power Supply Unit.

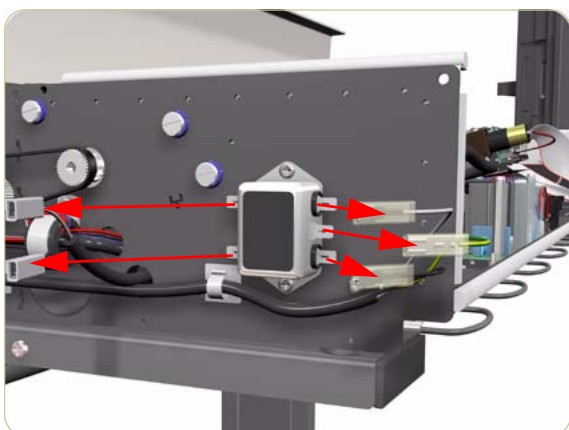




- 7.** Disconnect ALL the cables from the Power Supply Unit.



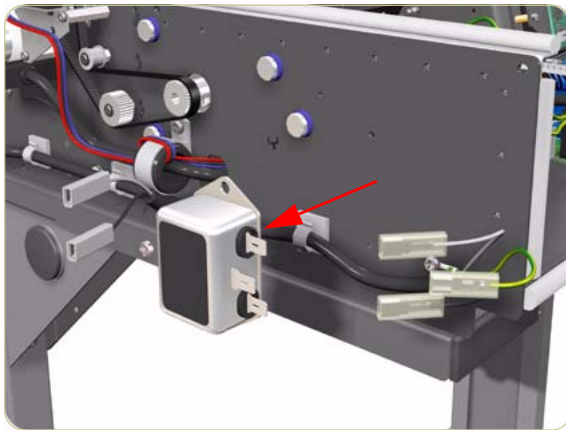
- 8.** Remove the Power Supply Unit from the scanner.



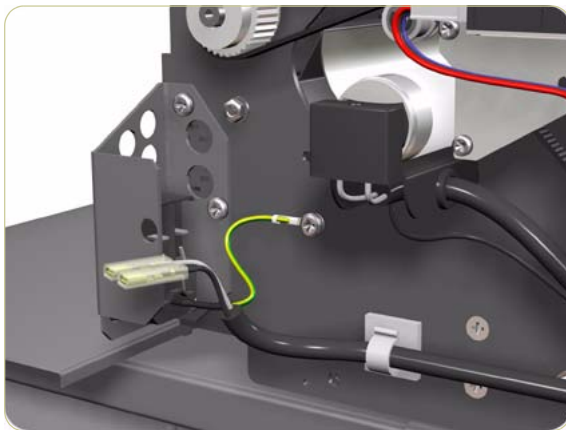
- 9.** Disconnect the cables attached to the RFI Filter.



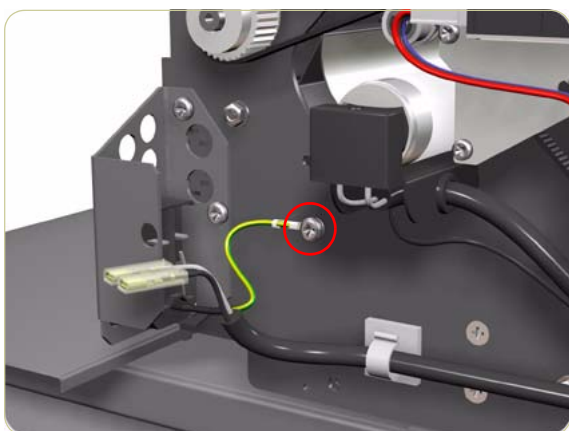
10. Remove 2 screws that secure the RFI Filter.



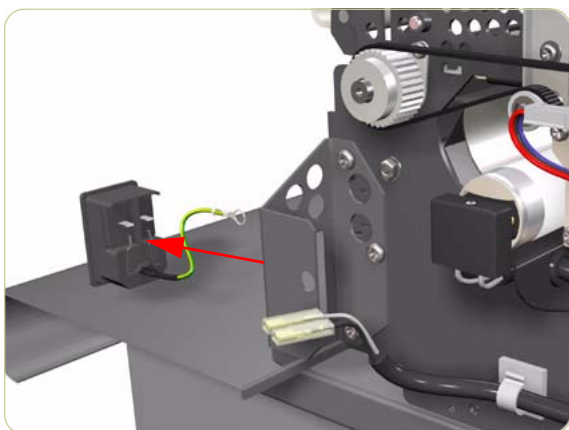
11. Remove the RFI Filter from the scanner.



12. Disconnect the cable attached to the Power Switch.



13. Remove the screw that secures the grounding cable to the chassis.



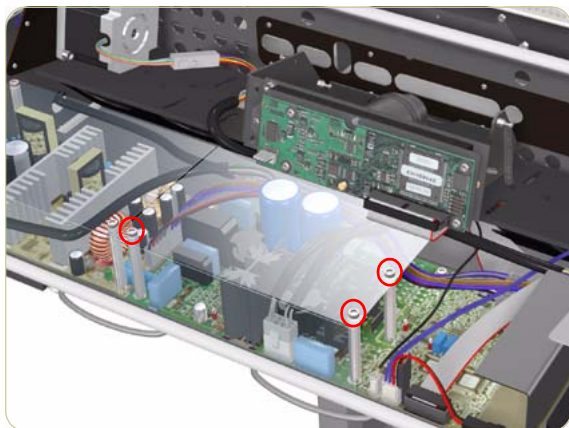
14. Release the securing clips for the Power Switch and remove from the scanner.

Driver Board

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

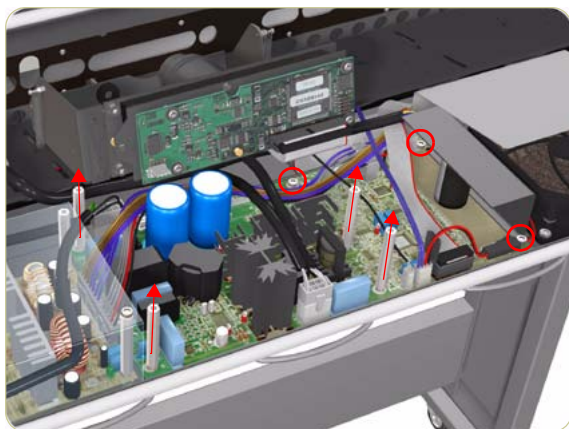
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove 3 screws from the Plastic Protector that covers the Driver Board.



3. Remove the Plastic Protector.

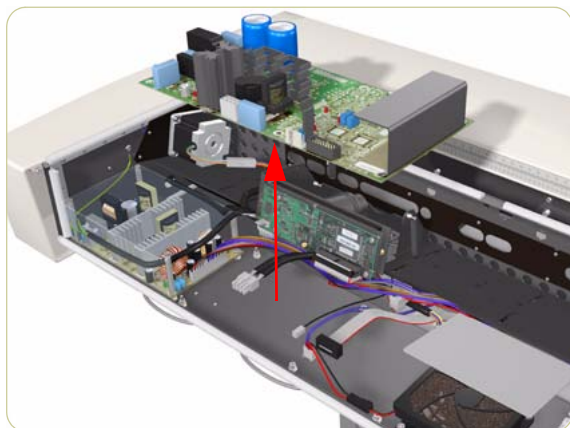


4. Remove the 3 screws and 4 long nuts that secure the Driver Board.





- 5.** Disconnect ALL the cables from the Driver Board.



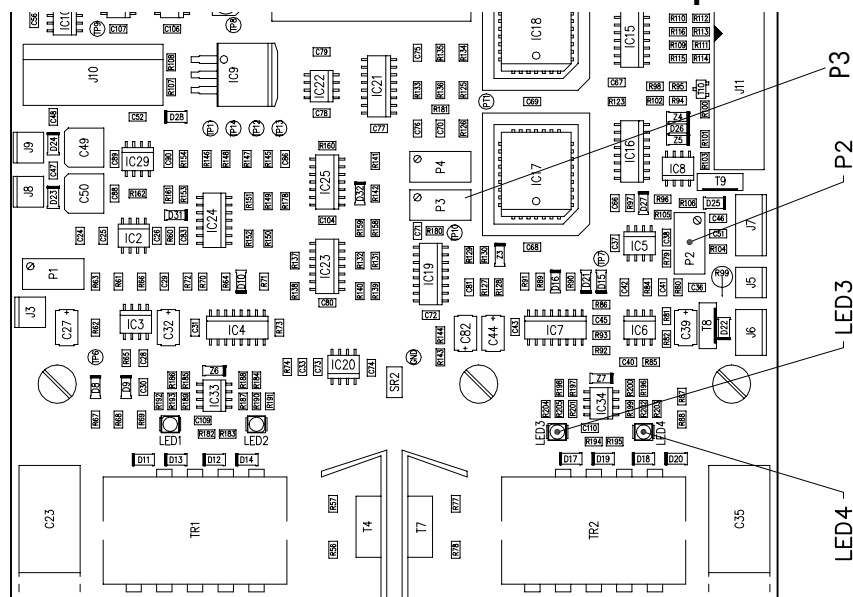
- 6.** Remove the Driver Board from the scanner.

After reinstalling the Driver Board, you must adjust the Lamp Driver as follows:

1. Switch the scanner ON and leave for at least 30 minutes.
2. Turn P2 Counter-Clockwise until LED 3 switches OFF (LED 4 should be ON).
3. Slowly turn P2 Clockwise until LED 3 switches ON.

If P2 is turned further Clockwise, LED 4 will eventually turn OFF. If both LED's are ON, the lamp driver is within the acceptable working range. If either of the LED's is OFF, the lamp driver should be adjusted.

The correct voltages are:
P3 until TP12 = 10mV±10mV
P4 until TP13 = 10mV±10mV

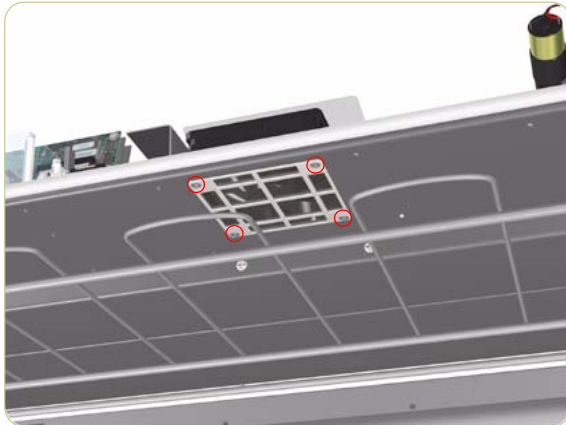


Fan

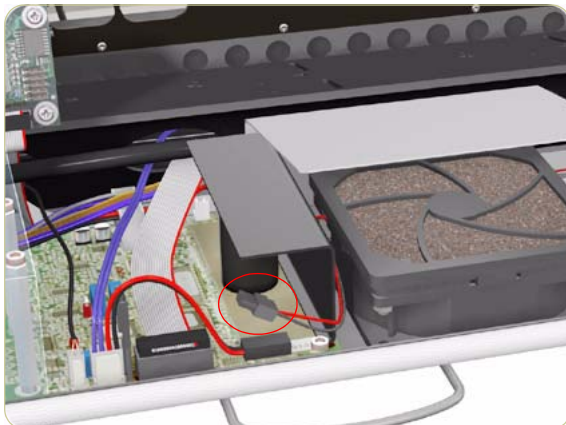
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

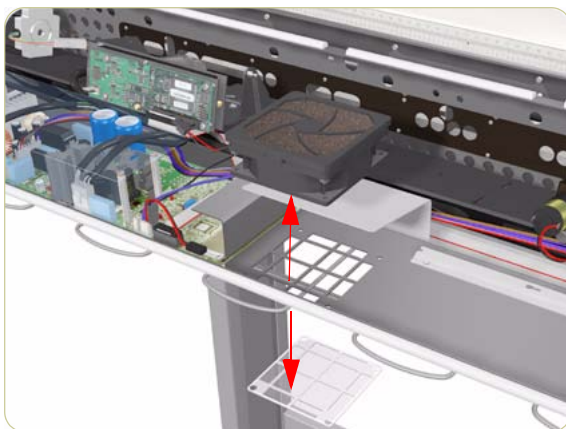
1. Remove the Top Cover ⇒ Page 4-4.
2. Gripping the nuts from the top, remove the 4 screws from the bottom that secure the Fan.



3. Disconnect the Fan Cable.



4. Remove the Fan from the top and the Fan shield from the bottom of the scanner.

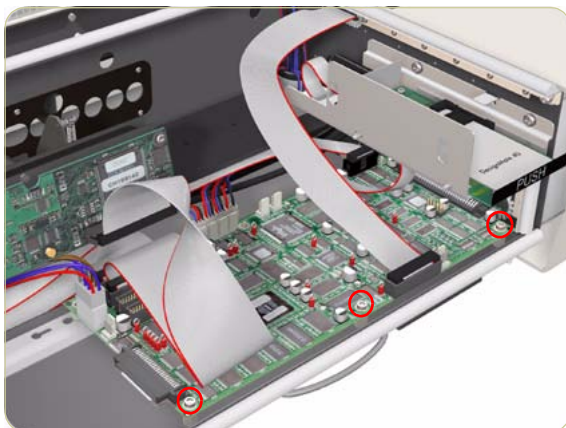


Main Electronics Board

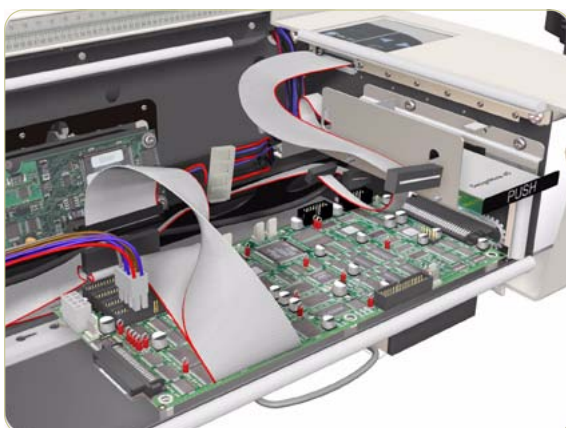
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

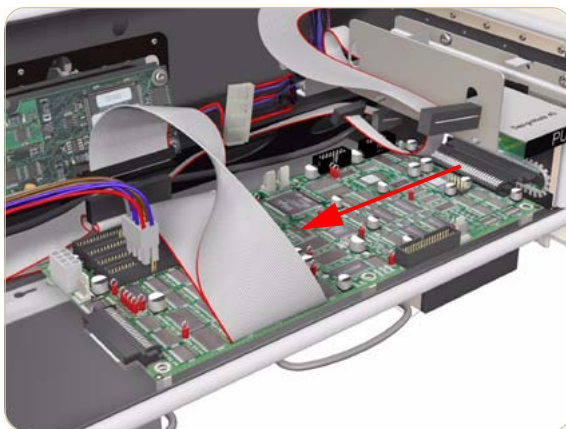
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove 3 screws that secure the Main Electronics Board.

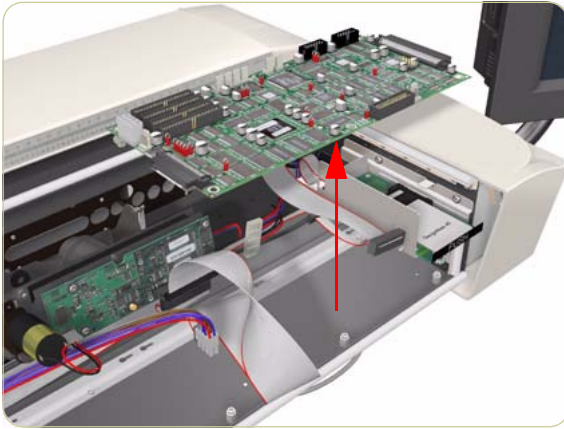


3. Disconnect ALL the cables from the Main Electronics Board.



4. Move the Main Electronics Board to the left to disconnect it from the connector and to release it from the 3 plastic locators (located at the rear of the Board).





5. Remove the Main Electronics Board from the scanner.

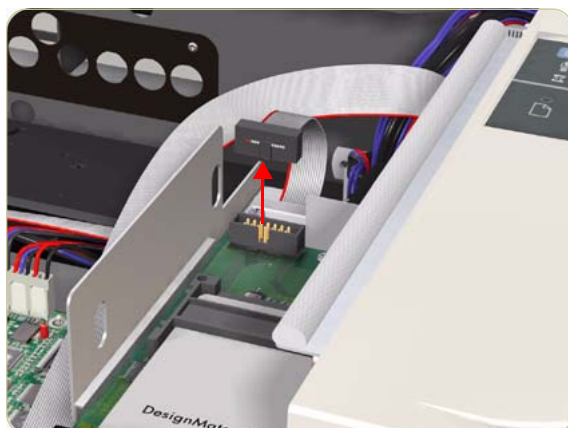
After reinstalling the Main Electronics Board, make sure you run the Scanner Maintenance.

Smart Card Reader

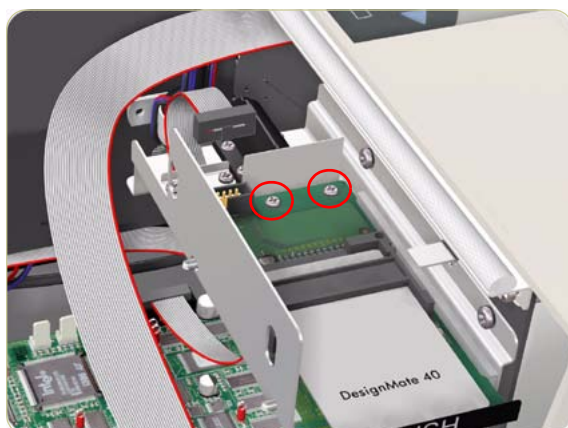
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

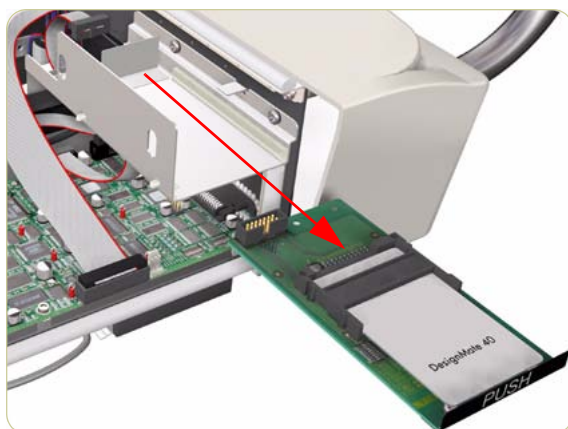
1. Remove the Top Cover ⇒ Page 4-4.
2. Disconnect the cable from the Main Electronics Board.



3. Remove 2 screws that secure the Smart Card Reader.



4. Remove the Smart Card Reader from the scanner.



Interface Board Cover

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

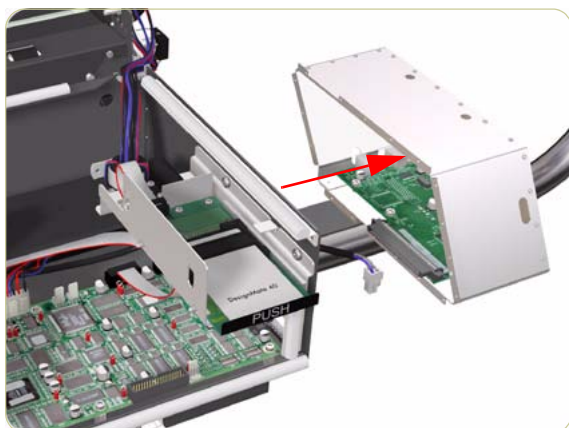
1. Remove the Top Cover ⇒ Page 4-4
2. Remove the Right Cover ⇒ Page 4-8.
3. Remove 18 screws that secure the Interface Board Cover.



4. Pull out the Interface Board Cover slightly and disconnect the cable that is connected to the Interface Board from inside.



5. Remove the Interface Board Cover from the scanner.



Interface Board

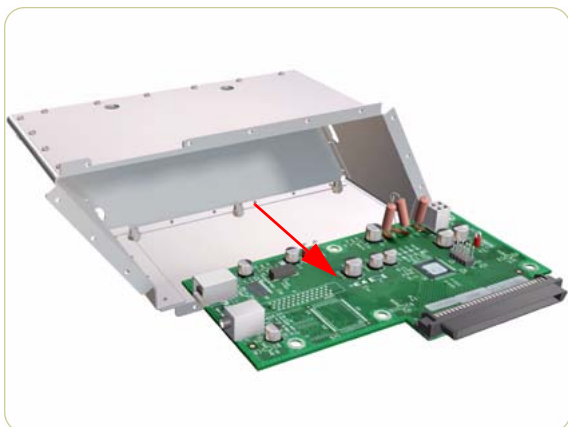
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4
2. Remove the Right Cover ⇒ Page 4-8.
3. Remove the Interface Board Cover ⇒ Page 4-30.
4. Remove 3 screws that secure the Interface Board.



5. Remove the Interface board.

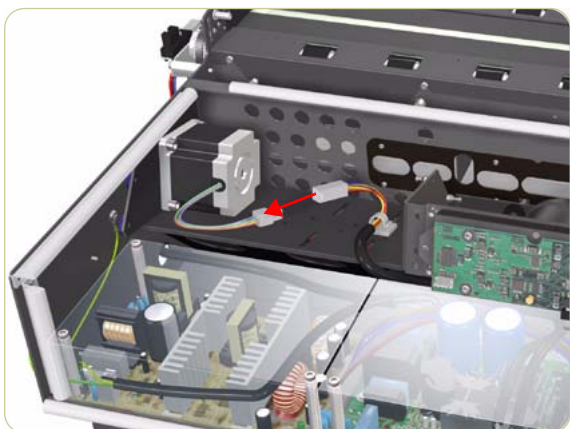


Stepper Motor

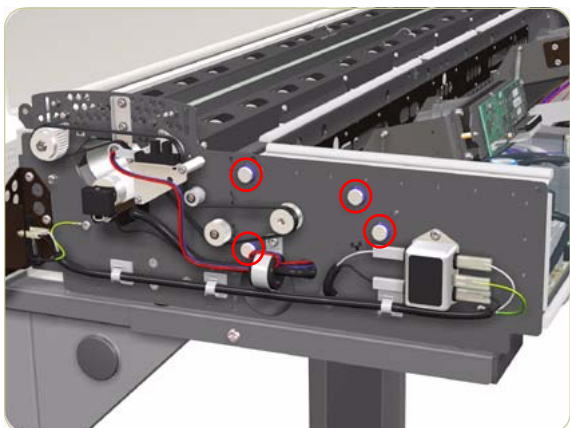
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Left Cover ⇒ Page 4-6.
3. Disconnect the Stepper Motor cable.



4. Remove 4 screws that secure the Stepper Motor to the chassis.



5. Remove the Stepper Motor from the inside.

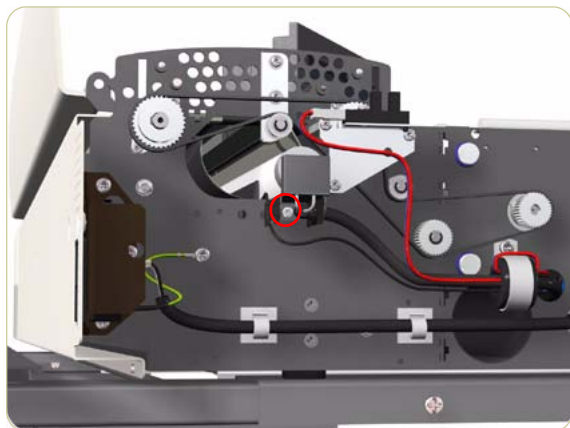


Fluorescent Lamp

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

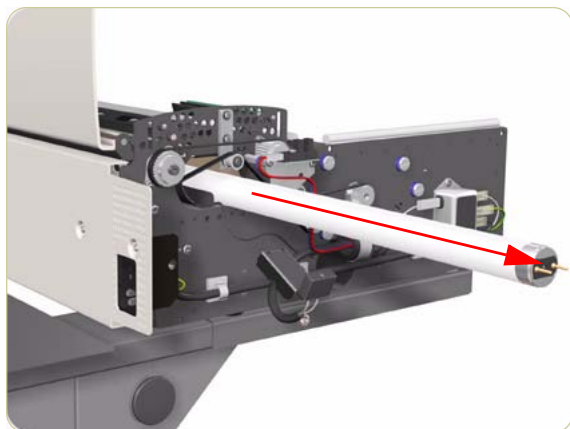
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Left Cover ⇒ Page 4-6.
4. Remove 1 screw from the Lamp Socket.



5. Remove the Lamp Socket and slide out the Fluorescent Lamp.

Take care not to touch the Stitching Wire while removing or installing the Fluorescent Lamp.

Also take care that the Fluorescent Tube does not get caught on the Sensor Cable.

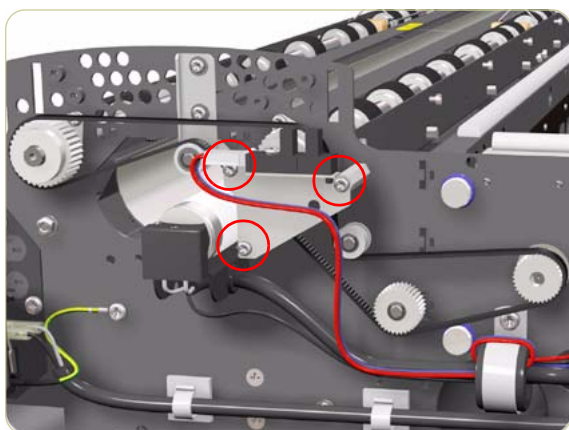


Rollers

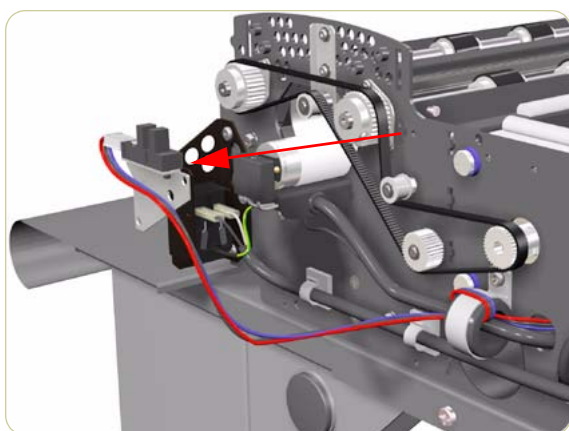
Removal

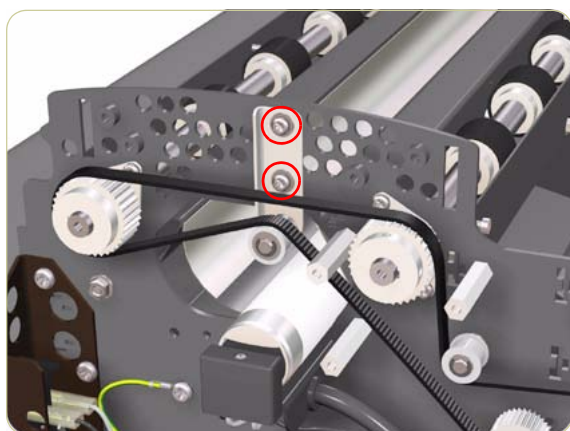
Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Glass Plate ⇒ Page 4-12.
4. Remove the Left Cover ⇒ Page 4-6.
5. Remove the Entry Roller Shield ⇒ Page 4-13.
6. Remove the Exit Roller Shield ⇒ Page 4-14.
7. Remove 3 screws from the Guide Plate Sensor Support.

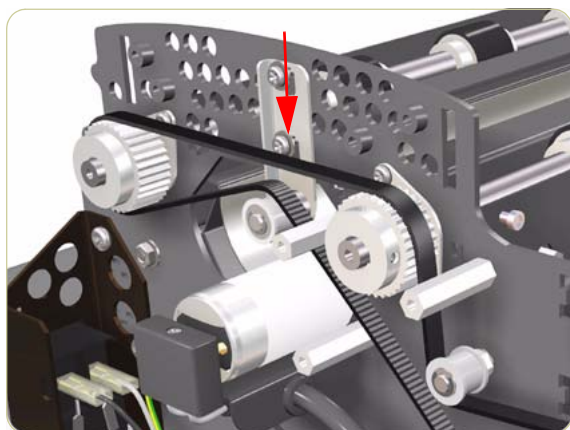


8. Remove the Guide Plate Sensor Support.

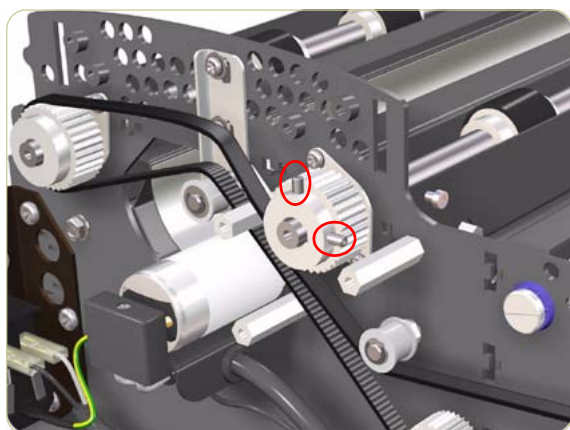




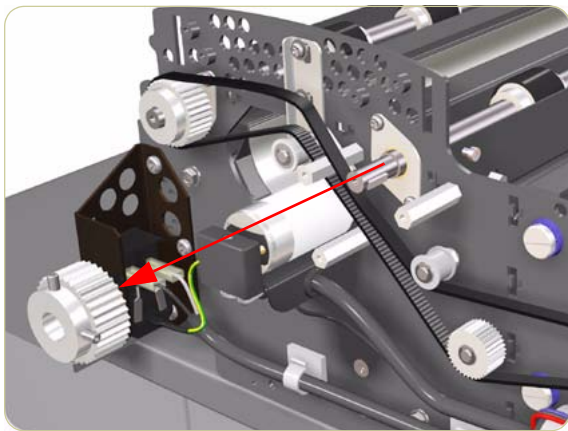
9. Loosen 2 screws from the Tension Bracket.



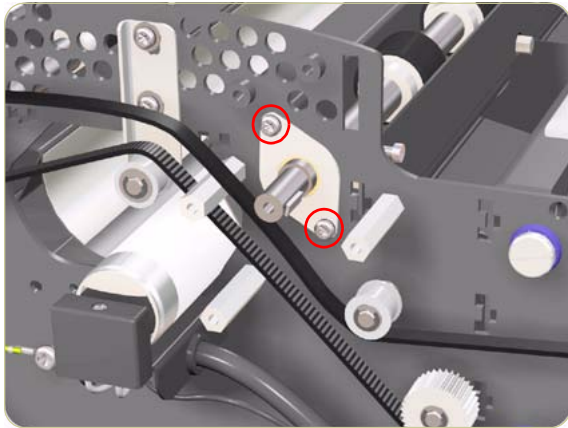
10. Lower the Tension Bracket to release the Belt.



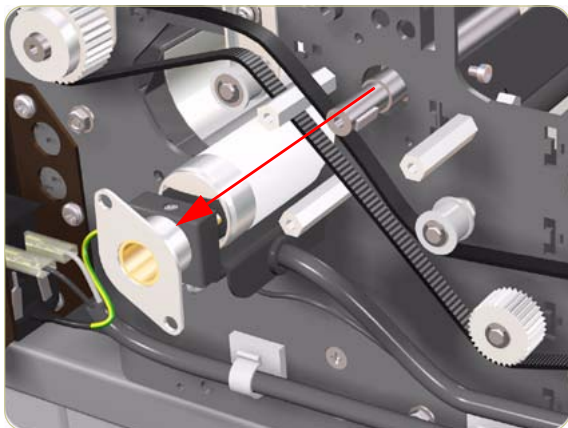
11. Loosen the Allen screws from the Roller Gears on the left side of the scanner.



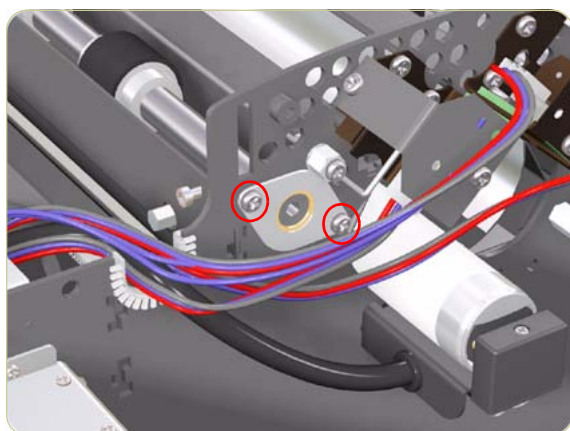
- 12.** Remove the Roller Gears taking care not to lose the metal wedges.



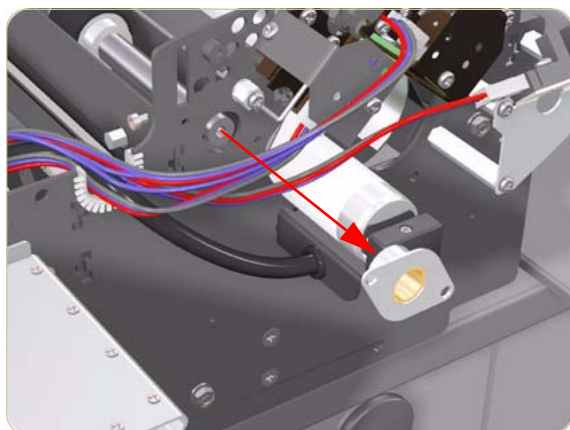
- 13.** Remove 2 screws from the Roller Mount Bushing on the left side of the scanner.



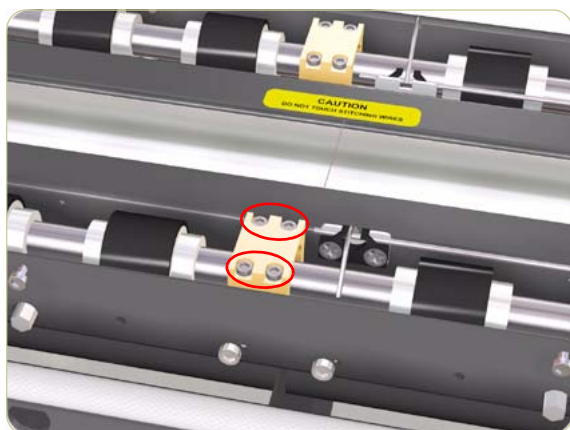
- 14.** Remove the Roller Mount Bushing.



15. Remove 2 screws from the Roller Mount Bushing on the right side of the scanner.

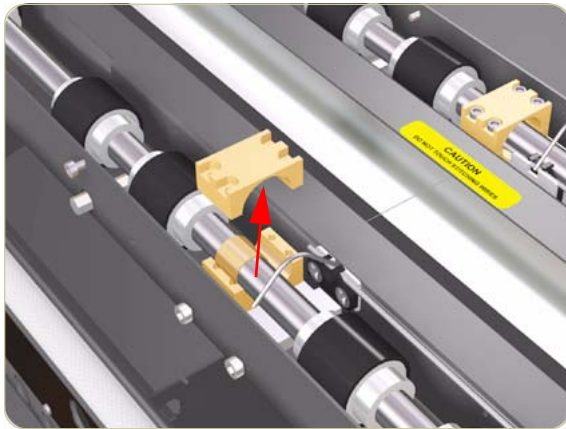


16. Remove the Roller Mount Bushing.

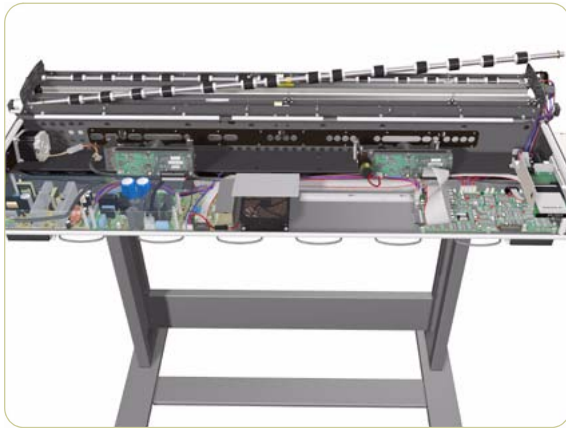


17. Remove 4 screws from the Roller Clamp that secures the Roller.

The Roller Clamps for the Entry and Exit Rollers must not be interchanged, so please mark the top Roller Clamp before removing.



18. Remove the Roller Clamp.



19. Slide the Roller towards the pulley end to pull it out of the bearing at the opposite end. Hold onto the center of the Roller and flex it slightly to allow the Roller to pass the bearings of the Media Detector Wires. Raise the Media Detector Wires to the upright position and lift out the Roller.

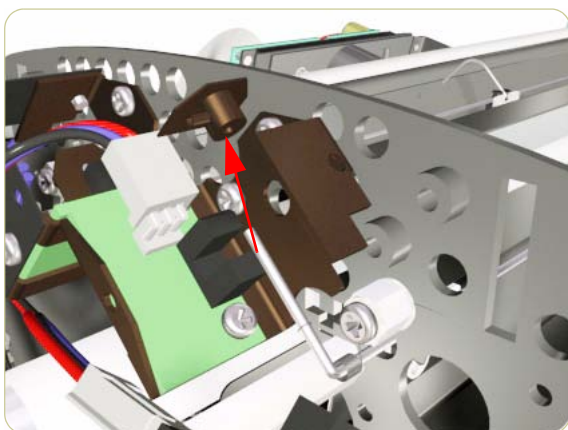
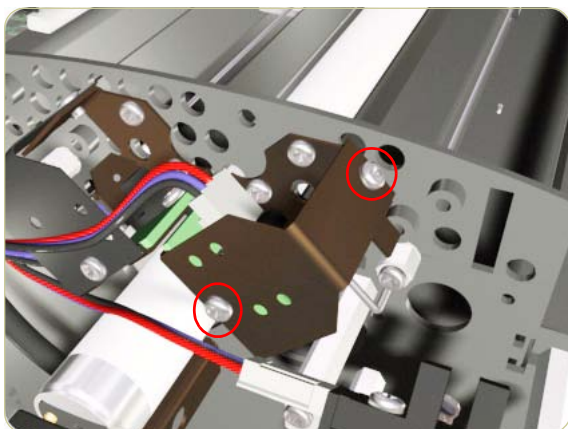
When removing the Roller, note the number of washers on the end of the shaft so that they can be replaced later.

Media Detector Wires

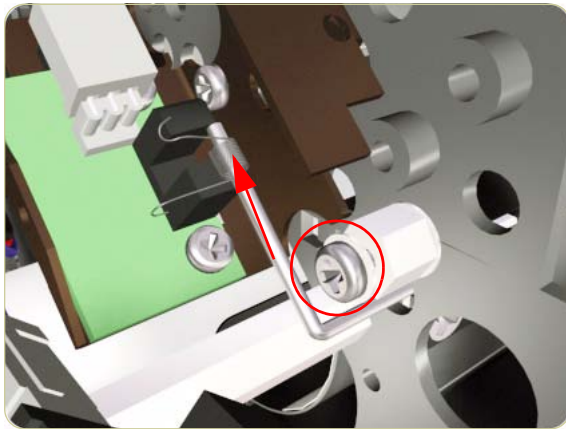
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Glass Plate ⇒ Page 4-12.
4. Remove the Left Cover ⇒ Page 4-6.
5. Remove the Entry Roller Shield ⇒ Page 4-13.
6. Remove the Exit Roller Shield ⇒ Page 4-14.
7. Remove the Rollers ⇒ Page 4-34.
8. Remove 2 screws that secure the Media Sensor Bracket. Remove the Media Sensor Bracket.



9. Loosen the Allen Screw that secures the Shutter Plate. Remove the Shutter Plate.



- 10.** Loosen the screw that holds the Torsion Spring. Remove the Torsion Spring.



- 11.** Loosen the screws from the bearings that secure the Media Detector Wires.

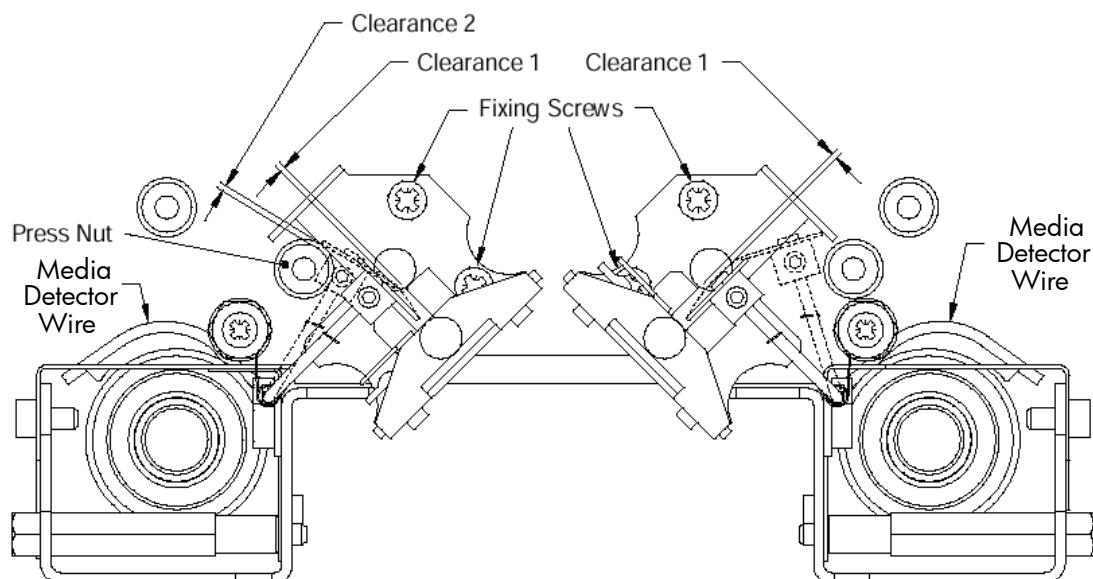


- 12.** Remove the Media Detector Wires from the scanner.

Media Detector Wires

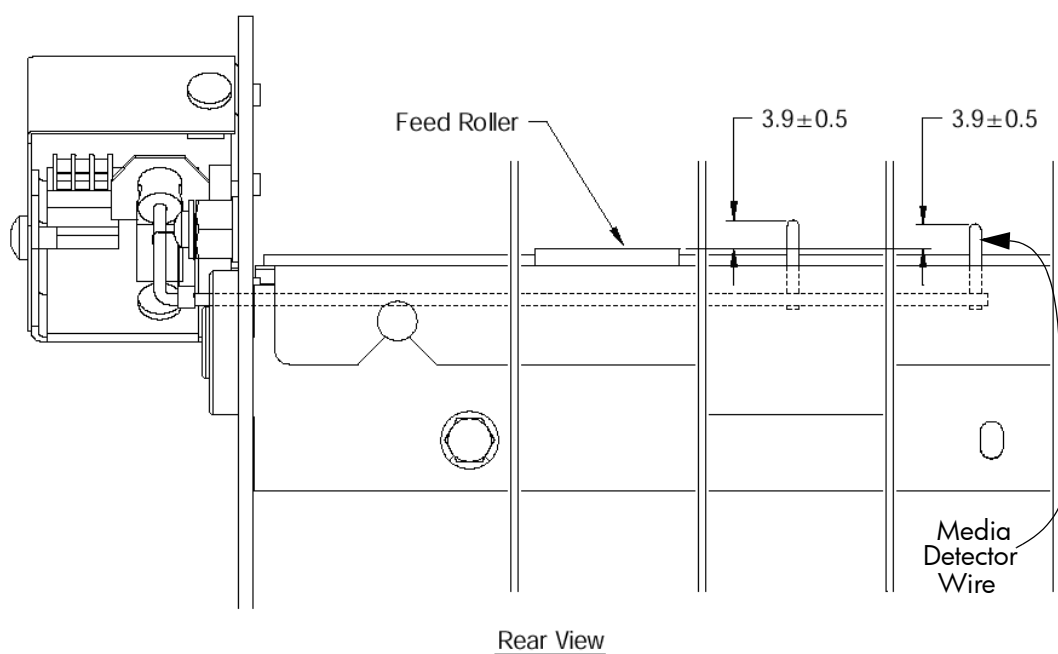
Installation

When installing the Media Detector Wires, make sure you achieve the following tolerances:



Clearance 1: Make sure that the shutter plates do NOT touch the legs of the Media Sensors when moving (Clearance > 0.5 mm)

Clearance 2: Make sure that the shutter plates do NOT touch the press nut when moving (Clearance > 0.5 mm)

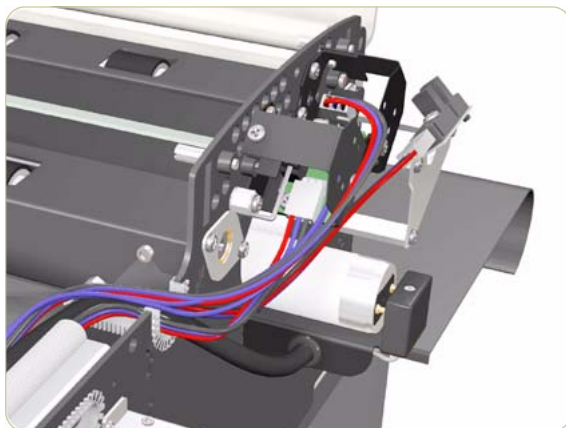


Media Sensors

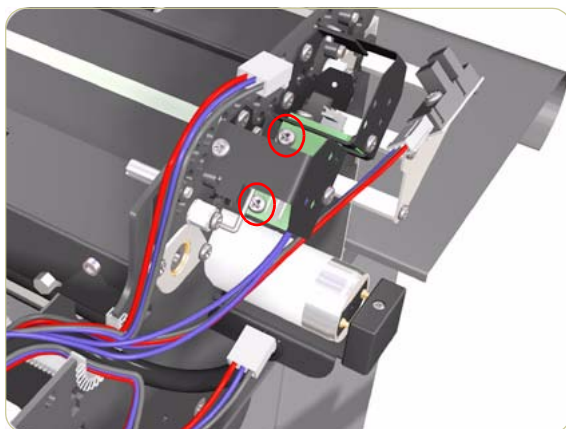
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

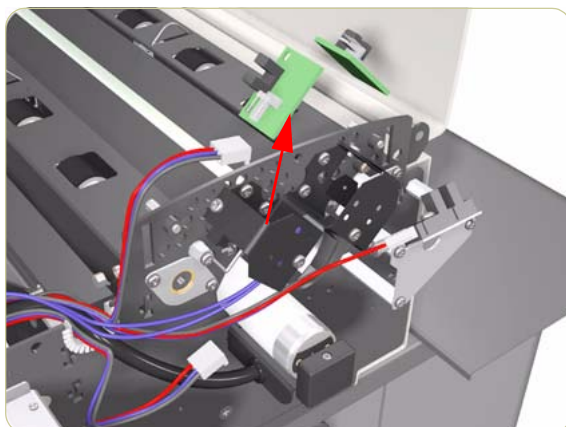
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Right Cover ⇒ Page 4-8.
4. Disconnect the cables from the 2 Media Sensors.



5. Remove 2 screws from each Media Sensor.



6. Remove both Media Sensors.

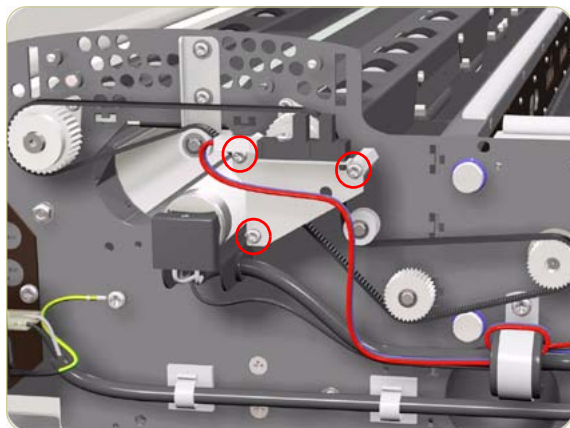


Belt

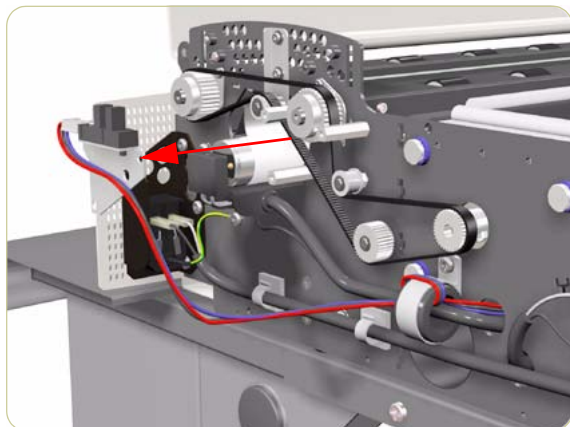
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

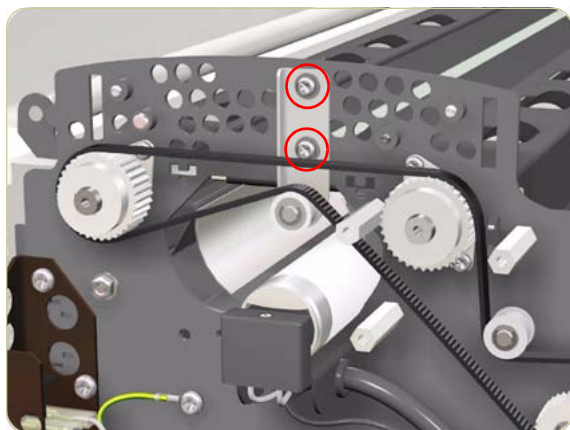
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Left Cover ⇒ Page 4-6.
4. Remove 3 screws from the Guide Plate Sensor Support.

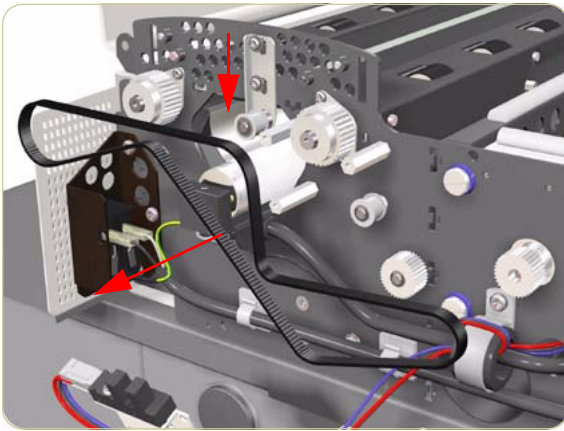


5. Remove the Guide Plate Sensor Support.



6. Loosen 2 screws from the Tension Bracket.





7. Lower the Tension Bracket and remove the Belt from the scanner.

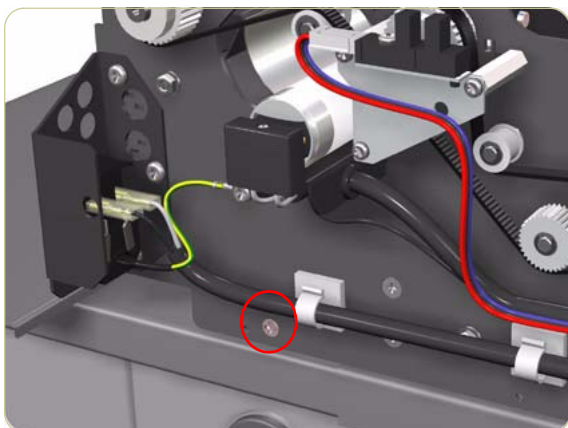
When reinstalling the Belt, make sure that you adjust the belt tension when securing the Tension Bracket.

Bottom Cover

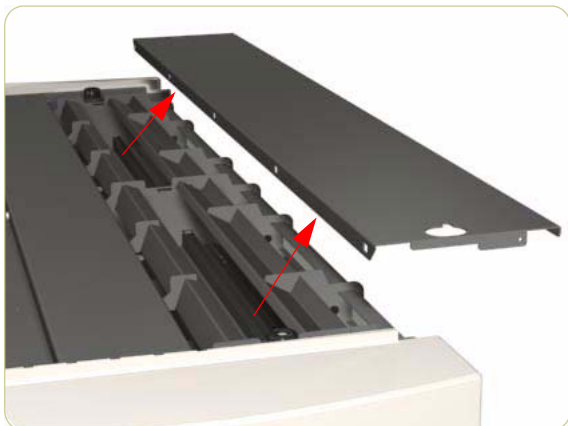
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Rear Cover ⇒ Page 4-10.
2. Remove the Left Cover ⇒ Page 4-6.
3. Remove the Right Cover ⇒ Page 4-8.
4. Turn the scanner upside down.
5. Remove 1 screw from each side of the Bottom Cover.



6. Raise the cover slightly from the front and then remove.

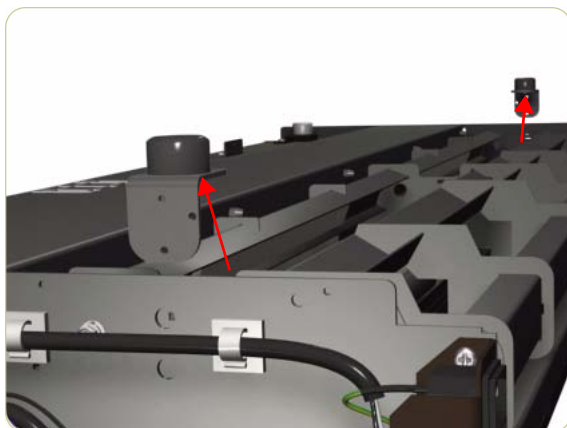
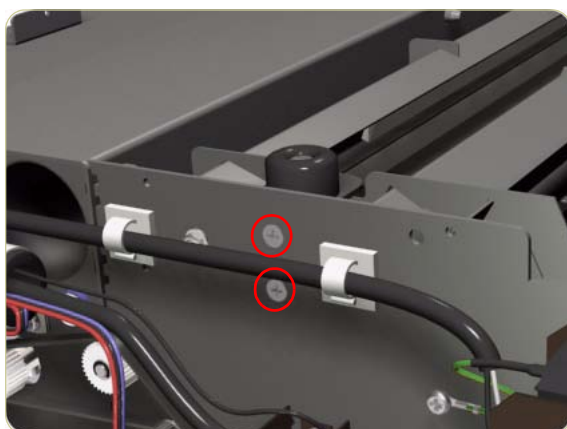


Mirror Chassis

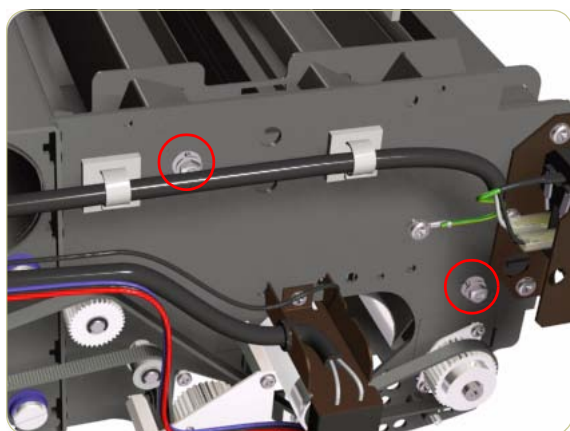
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

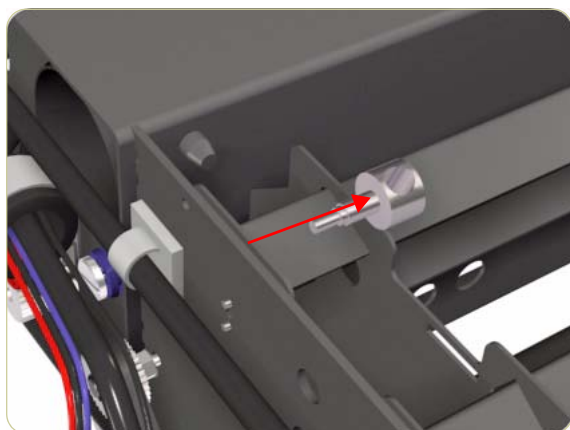
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Glass Plate ⇒ Page 4-12.
4. Remove the Left Cover ⇒ Page 4-6.
5. Remove the Right Cover ⇒ Page 4-8.
6. Remove the Bottom Cover ⇒ Page 4-45.
7. Remove 2 screws from each plastic foot (only the 2 rear ones).



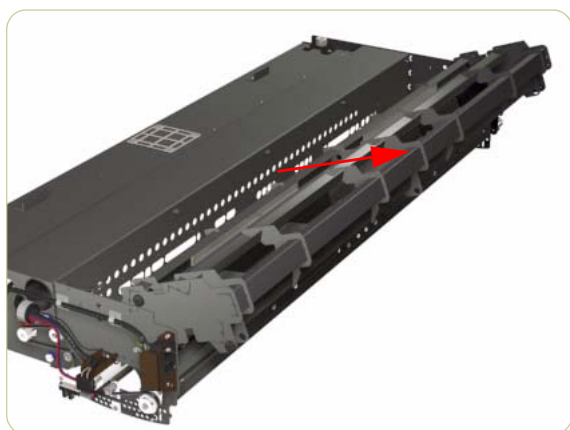
8. Remove the plastic feet.



- 9.** Remove 2 nuts from each side of the Mirror Chassis.



- 10.** Remove the 2 locating screws from both sides of the Mirror Chassis.



- 11.** Rotate the Mirror Chassis towards you, lift up and remove from the scanner.

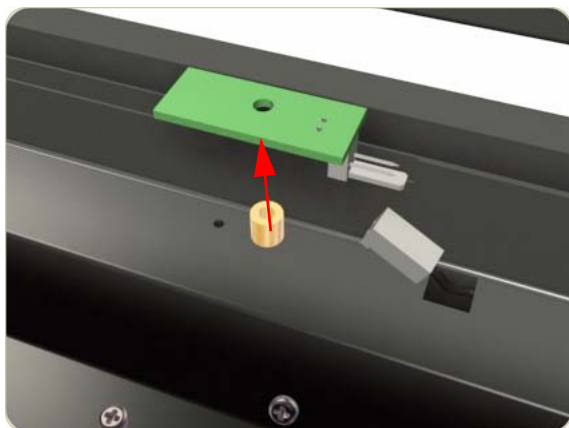
Always clean the mirrors before replacing the Mirror Chassis.

Lamp Sensor

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Glass Plate ⇒ Page 4-12.
4. Remove the Left Cover ⇒ Page 4-6.
5. Remove the Right Cover ⇒ Page 4-8.
6. Remove the Bottom Cover ⇒ Page 4-45.
7. Remove the screw that secures the Lamp Sensor.



8. Disconnect the cable from the Lamp Sensor and remove from the scanner.

After installing the Lamp Sensor, you must adjust the potentiometer on the Driver Board.

Reflector Assembly

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Glass Plate ⇒ Page 4-12.
4. Remove the Left Cover ⇒ Page 4-6.
5. Remove the Right Cover ⇒ Page 4-8.
6. Remove the Bottom Cover ⇒ Page 4-45.
7. Remove the Mirror Chassis ⇒ Page 4-46.
8. Disconnect the Cable for the Lamp Sensor.



9. Remove 12 screws from the Reflector Assembly.



10. Remove the Reflector Assembly from the scanner.

To prevent damage to the Stitching Wires when replacing the Reflector Assembly, the notches in the Reflector Assembly must be aligned with the Stitching Wires. This can be done by carefully keeping the holes for the fixing screws aligned with the holes in the Scanner Chassis.

Stitching Wire

Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

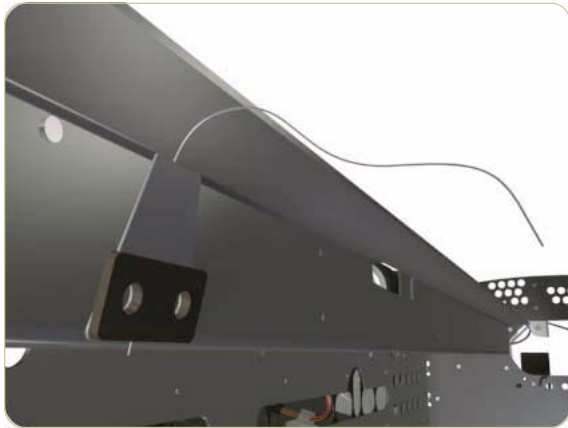
1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Glass Plate ⇒ Page 4-12.
4. Remove the Left Cover ⇒ Page 4-6.
5. Remove the Right Cover ⇒ Page 4-8.
6. Remove the Bottom Cover ⇒ Page 4-45.
7. Remove the Mirror Chassis ⇒ Page 4-46.
8. Remove the Reflector Assembly ⇒ Page 4-49.
9. Remove 4 screws that secure the Leaf Springs.



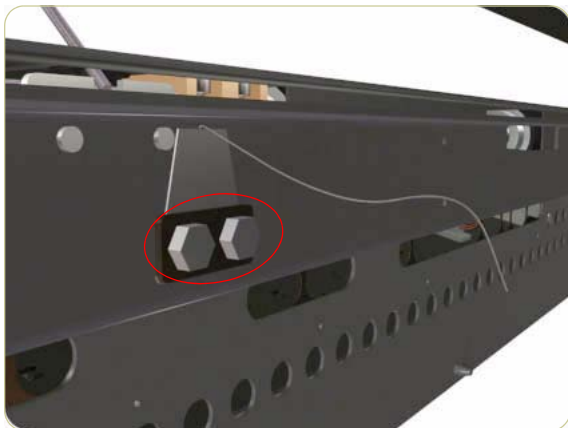
10. Remove the Leaf Springs and the Stitching Wire.

Stitching Wire

Installation



1. Wrap the Stitching Wire around one of the Leaf Springs.



2. Install the Leaf Spring using 2 screws.



3. Tension the Stitching Wire around the second Leaf Spring.



4. Install the second Leaf Spring using 2 screws, making sure the wire is continuously tensioned.

White Background Assembly

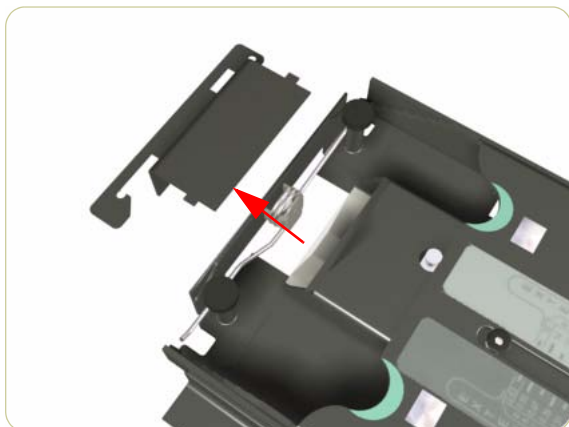
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

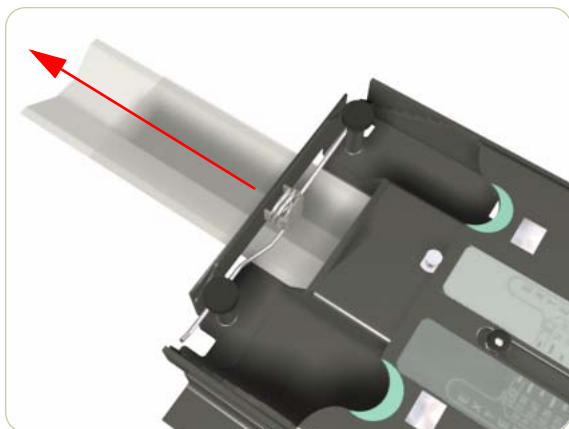
1. Remove the Guide Plate ⇒ Page 4-5.
2. Remove 2 screws from the Stop Bracket at one end of the Guide Plate.



3. Remove the Stop Bracket from the Guide Plate.



4. Slide out the White Background Assembly from the Guide Plate.



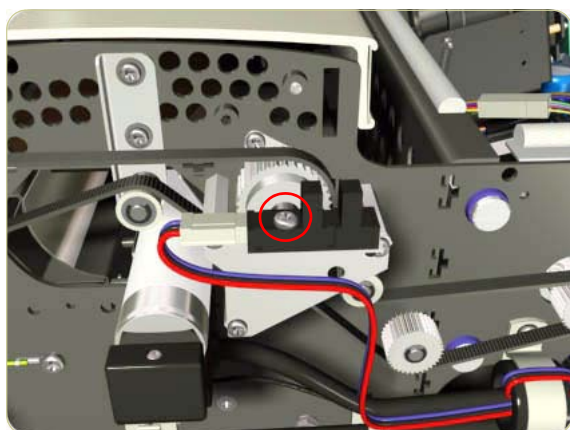
When installing the White Background Assembly, press down on the leaf springs while sliding the Assembly in to the Guide Plate.

Thickness Sensors

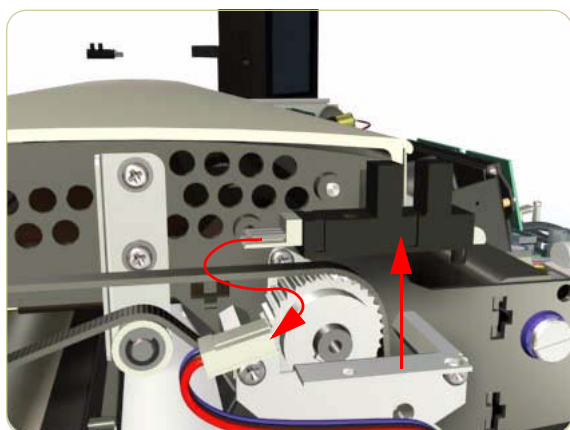
Removal

Switch the printer, scanner and the PC OFF, and disconnect them from the power source prior to performing any maintenance.

1. Remove the Top Cover ⇒ Page 4-4.
2. Remove the Guide Plate ⇒ Page 4-5.
3. Remove the Left Cover ⇒ Page 4-6.
4. Remove the Right Cover ⇒ Page 4-8.
5. Remove 1 screw that secures the Thickness Sensor to the scanner.



There are 2 Thickness Sensors in the scanner, one on the left side and one on the right.



6. Disconnect the cable and remove the Thickness Sensor from the scanner.

