
Replacing Print Engine Board (PCB)



Technical Support

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Revision History

Revision	Description	Author	Date
1.0	Initial release. Replacing print engine board.	Edsel Barrios– Tech support EXAMPLE	6/8/2012

Title for the guide

Introduction

This is a troubleshooting guide on how to replace a Print engine board (PCB).

Scope

This applies to FP-125/Sprint printers only.

Symptoms

Printer is looping in Auto System Maintenance. Printer stuck in reset service counter (only in more severe cases)

Possible causes

Static electricity blowing out F1 or F2 fuse on print engine board.

Step1.

Before starting power down the printer and remove all cords. You will need a Phillips screw driver and a Antistatic wrist strap to prevent any static electricity from damaging the circuit boards.

We will start in the back, and remove the clutch/table cover (big box in the back). This cover will have 7 Phillip screws holding it down. 3 on top and 2 on each side.

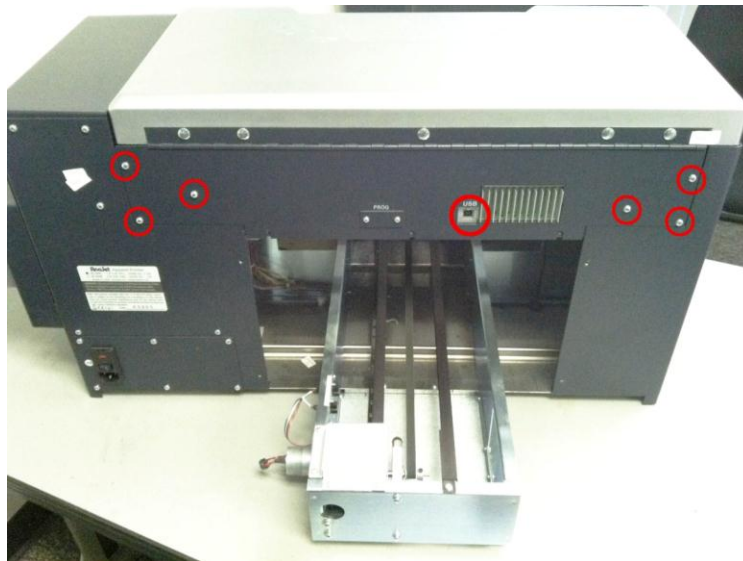


Once the cover has been removed your printer should look like this.

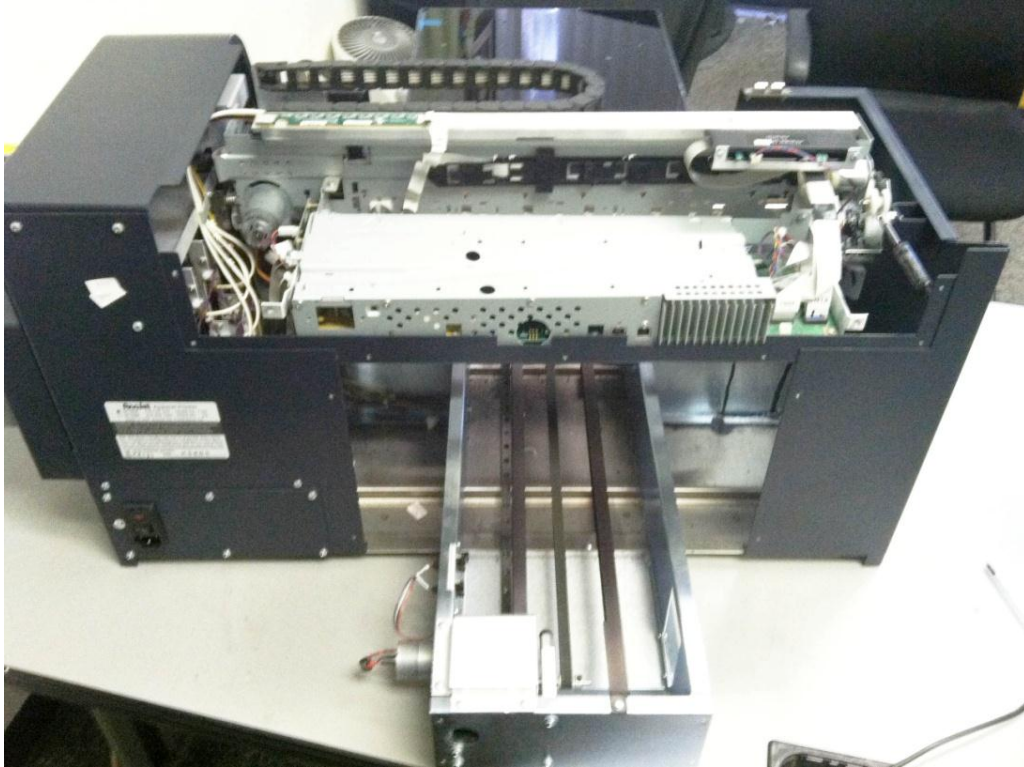


Step 2.

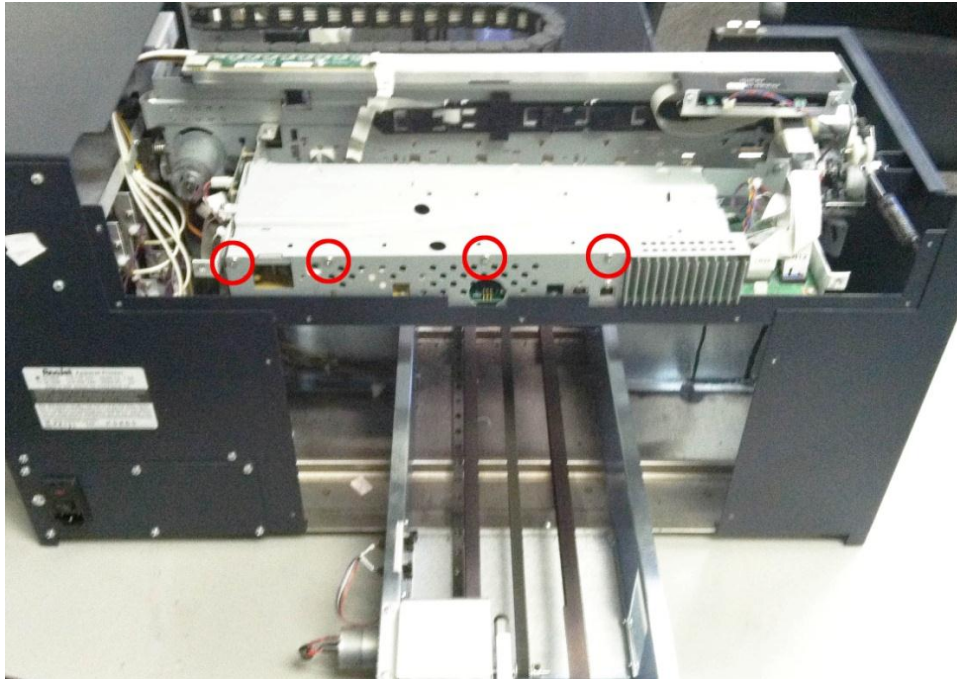
Next we need to remove the lid of the printer. Inside the printer you will see the strut that holds the lid open. The strut is held by a small E clip. You will need needle nose pliers or a small knife to remove this piece. When the E clip is removed you will be able to slide the strut out. You will need to remove the 7 screws holding the lid down. One will be located right above the USB port.

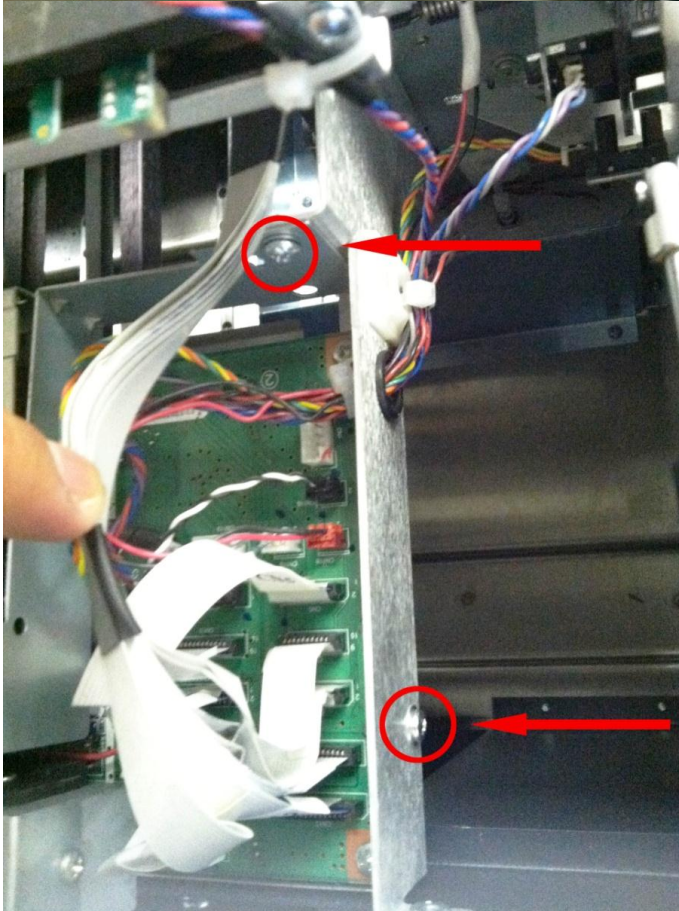
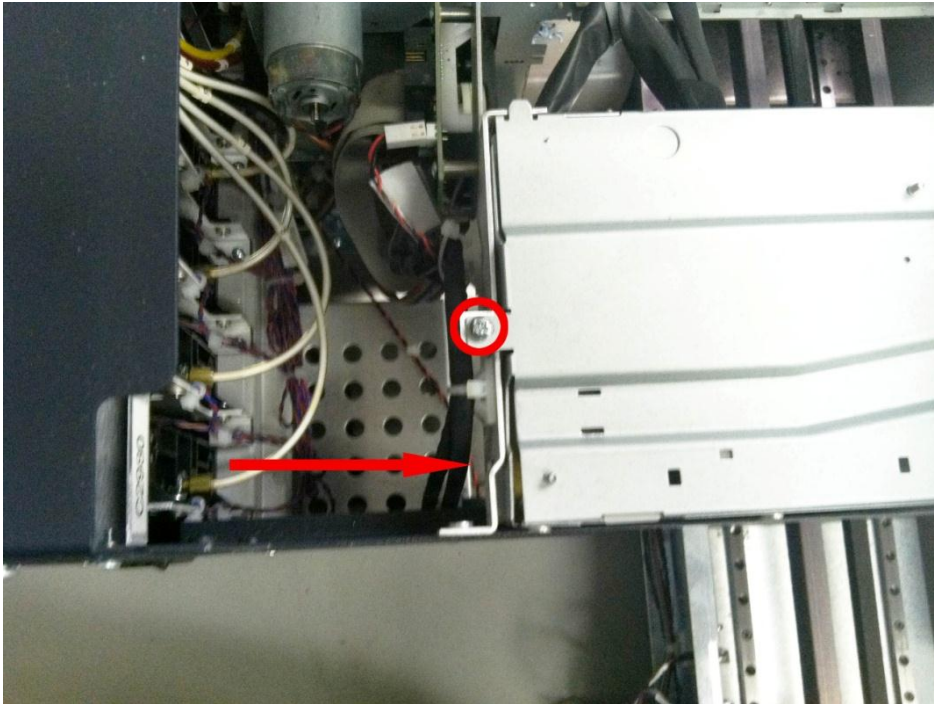


Once the lid is removed your printer should look like this.



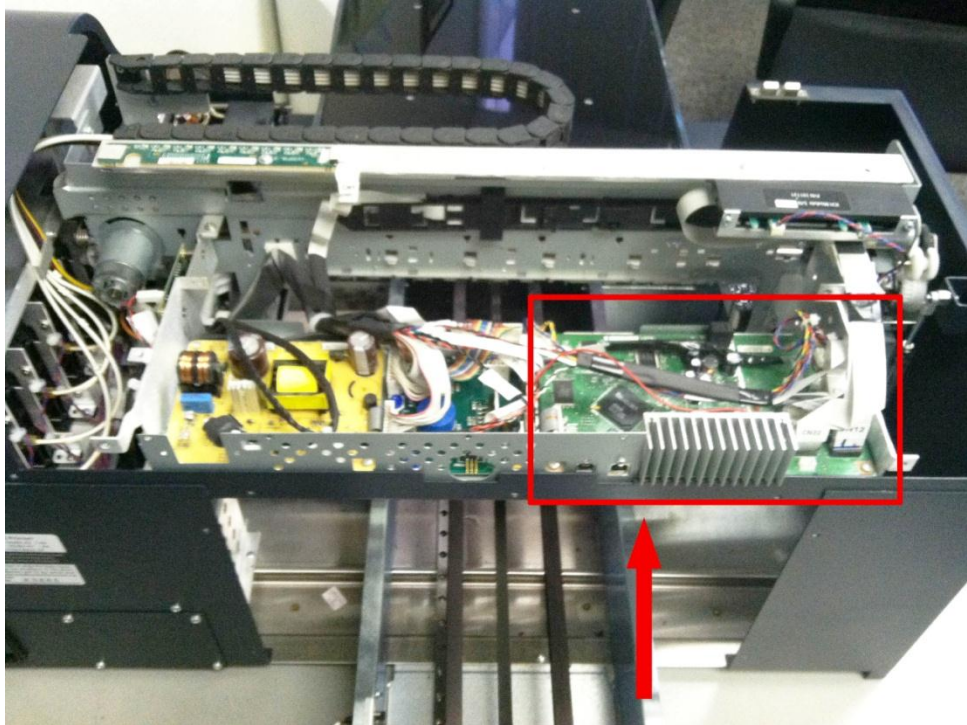
4. We must now remove the cover for the print engine board (PCB). There will be 8 screws 2 on each side and 4 on the USB side.



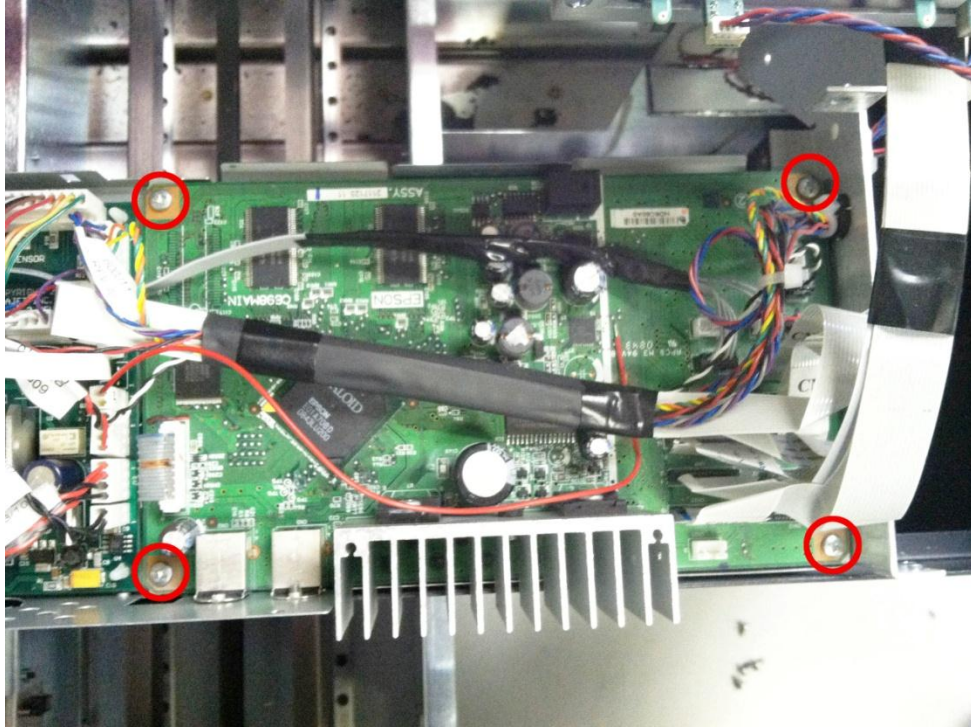


Once the 8 screws are removed you will be able to pull up the board cover. Be very careful when removing the cover you don't want to damage any cables.

Once the cover is removed your printer should look like this.



5. With the cover removed we will begin removing the Print engine board (PCB). First we must unplug all cables connected to the PCB. Before handling any of the boards you must first use an AntiStatic wrist strap to prevent any static electricity from damaging the new board. Carefully remove all the cables from the board. The white ribbon cables should be taped down so you will have to remove the tape first. Be very careful you don't damage any of the cables. Once the cables are removed you can start removing the 4 screws located on each corner of the board.



When the damaged board is removed replace with the new one and plug in all the cables back. Each ribbon cable is labeled and the board has the same labels printed on them as well. Make sure all cables are plug in before powering up the printer. When the board is back in you can start putting the printer back together. When you power up the printer should do an Auto System Maintenance during the start up process.