

# HP LaserJet 4345 MFP Swing Plate Removal

## It Can't Hide From Us

As the popularity of the LaserJet 4345 Multifunction Printers has increased, so have the number of questions on how to remove that tricky Swing Plate Assembly. In the September 2010, Vol. 17 No.9 issue of ENX we talked about the purpose and replacement reasons for the HP LaserJet 4200/4300 swing-plate assembly. The HP LaserJet 4345 MFP uses the same engine as the HP LJ 4300 so you would think it would be the same or at least similar. Well, not exactly. The LJ 4345 is a multifunction printer (mfp), which means there are a lot more items to remove in order to access the swing plate. Ultimately you will have to remove the printer's power supply, just like in the 4200/4300, but getting to that power supply is what makes this such a long procedure. The following steps will help you locate the swing plate assembly, which by the way, is not in the service manual. Let us begin.

1. Turn the mfp off. Disconnect the power cord and all data and fax cables.
2. Open the top of the printer and remove the toner cartridge.
3. Remove tray 2.

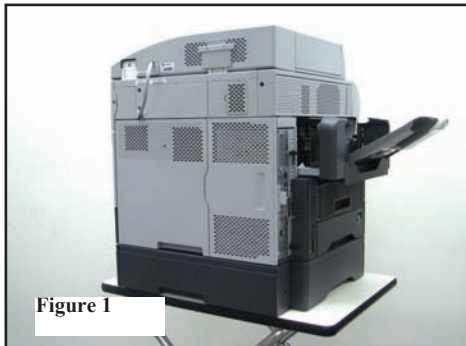


Figure 1

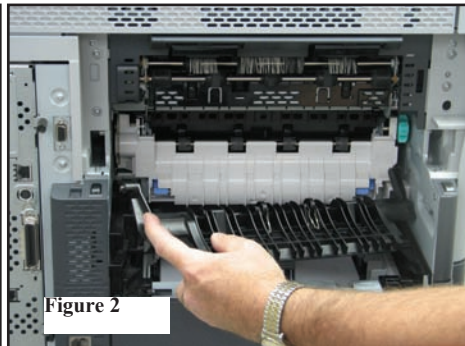


Figure 2

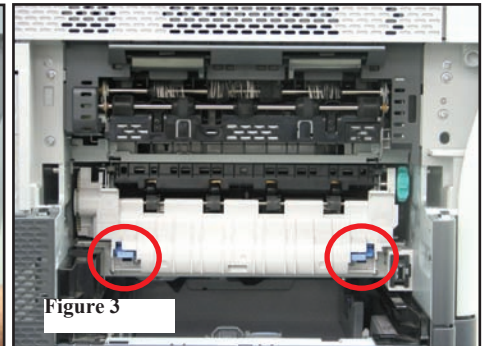


Figure 3

4. Move to the left side of the printer and remove the output tray by lifting slightly and pulling out. (Figure 1)
5. Under the output tray, remove the duplex by pulling it straight out.

6. Remove the fuser exit guide by slipping your index finger in along the left side and bending in and pulling out. (Figure 2)

7. Remove the fuser by squeezing the blue clips and pulling straight out. (Figure 3)

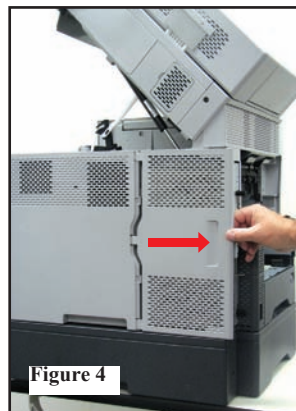


Figure 4

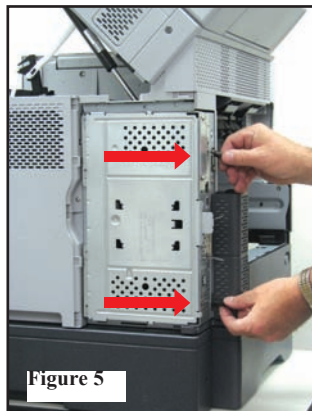


Figure 5

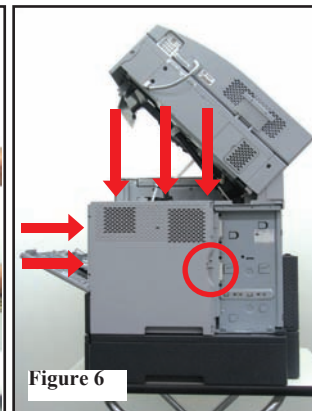


Figure 6

8. Remove the rear left door by sliding it to the left to expose the formatter cage. (Figure 4)
9. Remove the formatter by removing the thumb screws and pulling out to the left. (Figure 5)
10. Remove rear right panel by removing one screw and prying at the 5 pry points (arrows on panels) then lift out. (Figure 6)
11. Remove the right rear panel behind tray 1 door as follows:

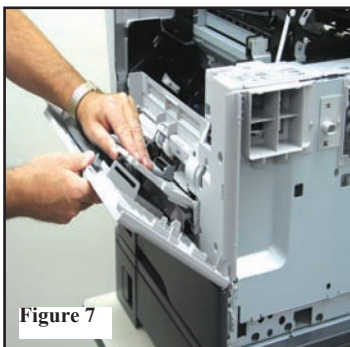


Figure 7

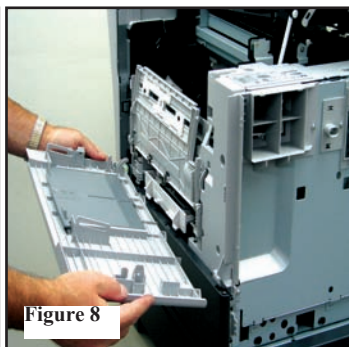


Figure 8

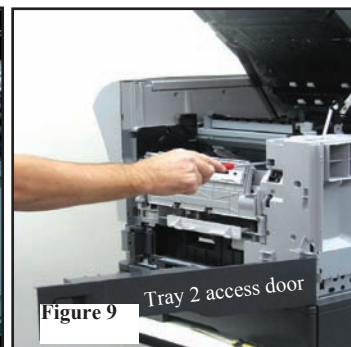


Figure 9

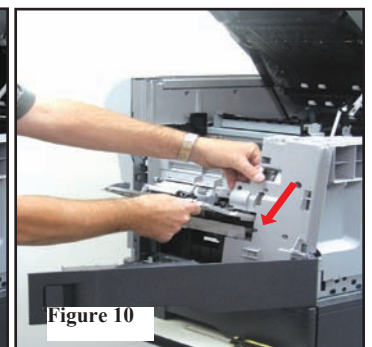


Figure 10

- 11 a. Separate tray one from outer door. (Figure 7)
- 11 b. Remove door by sliding toward the rear or right. (Figure 8)

- 11 c. Open tray 2 access door (Figure 9) and remove 6 screws and 2 clips and remove panel (Figure 10).

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Figure 11

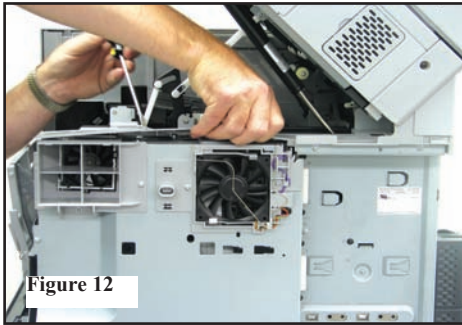


Figure 12

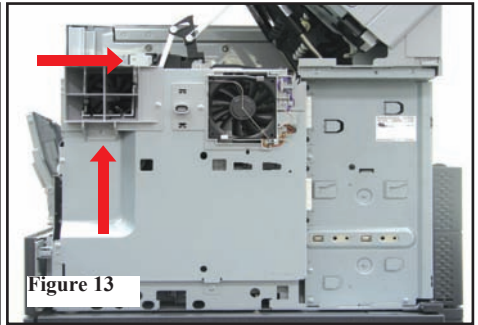


Figure 13

12. Remove top rear panel by lifting peg with small screw driver, (Figure 11) then lift panel in the center and slide right. (Figure 12)

13. Remove right fan shroud by removing 2 screws. (Figure 13)

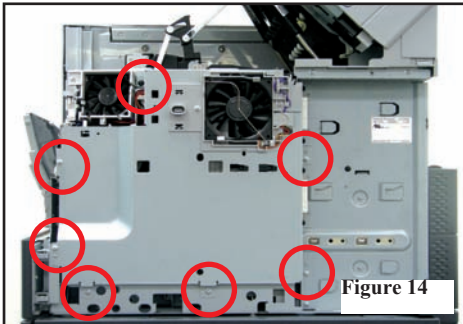


Figure 14

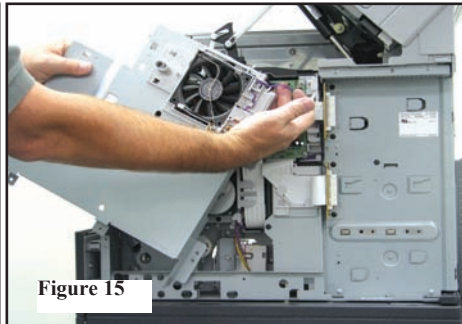


Figure 15

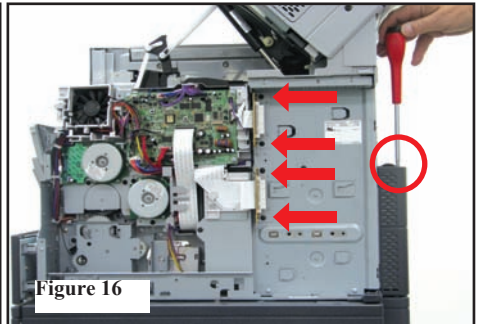


Figure 16

14 a. Remove rear metal shield by removing 7 screws (Figure 14)

14 b. And disconnecting fan cable. (Figure 15)

15. Remove left rear cover, one screw. (Figure 16, red circle)

16. Remove 2 formatter connectors, 2 shouldered screws each and reposition cables. (Figure 16, red arrows)

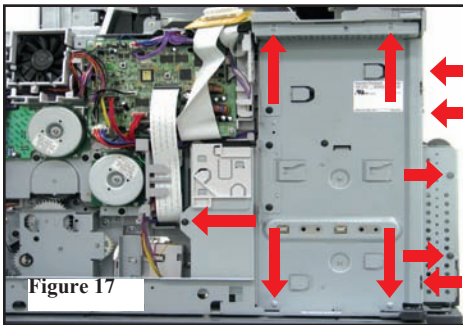


Figure 17

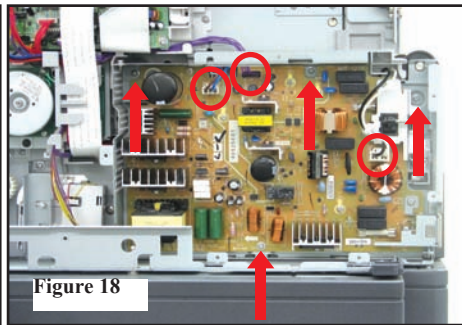


Figure 18

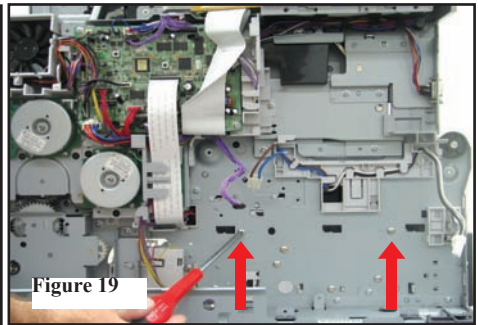


Figure 19

17. Remove rear left metal PFC shield, 10 screws. (Figure 17)

18. Remove PFC power supply, 4 screws and 3 connectors. (Figure 18)

19 a. Remove rear duplex guide by removing 2 screws. (Figure 19)

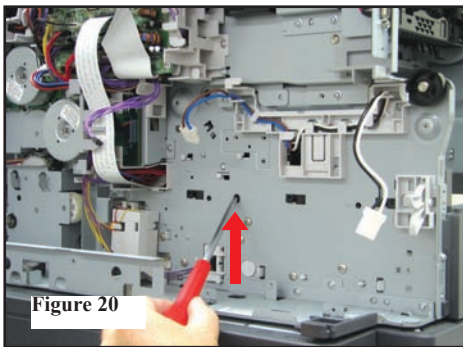


Figure 20

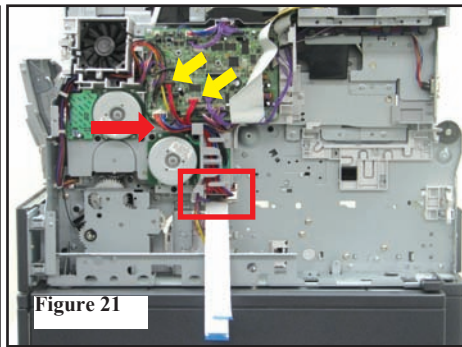


Figure 21

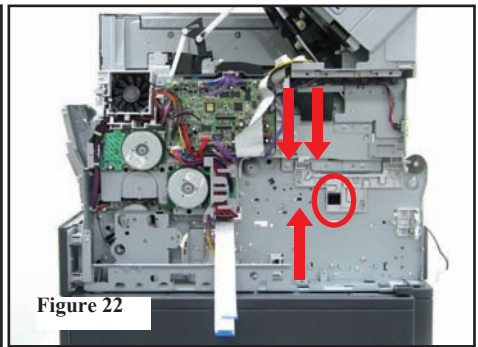


Figure 22

19 b. Then pushing in lock button as shown in picture (Figure 20) and sliding out of the left side of printer.

20. Disconnect white ribbon cables from DC Controller and let hang, then disconnect red cables (Figure 21, yellow arrows) as well as the blue and red cable (Figure 21, red arrow) also from DC Controller. Then push back through hole (Figure 21, red square) so all cables hang under the power supply. Push PFC cables through hole (Figure 22, red circle), then remove 3 screws (Figure 22, red arrows) in recessed area.

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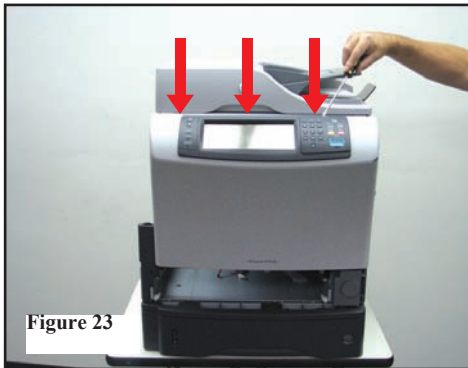


Figure 23

21. At the front of the MFP remove the control panel by prying under slots (3) at top, then disconnect cable. (Figure 23)

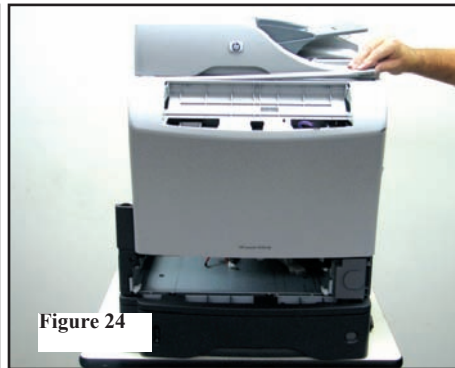


Figure 24

22. Remove filler strip at front side of ADF. (Figure 24)

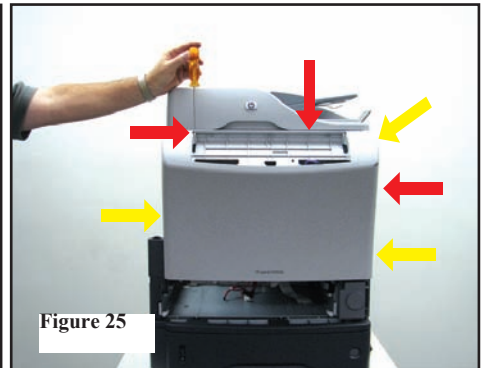


Figure 25

23. Remove front panel by removing 2 screws from top inside edge as shown and 1 screw from right side (red arrows), then prying tabs as marked, 2 front, 1 left (yellow arrows). (Figure 25)

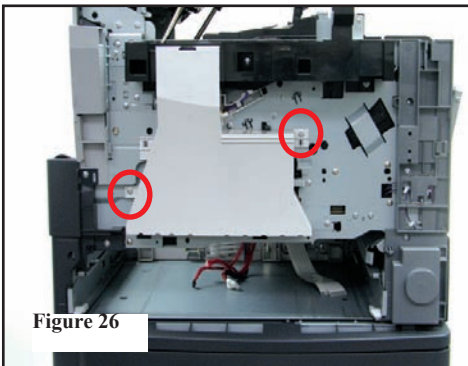


Figure 26

24. Remove white fan plenum, 2 screws. (Figure 26)

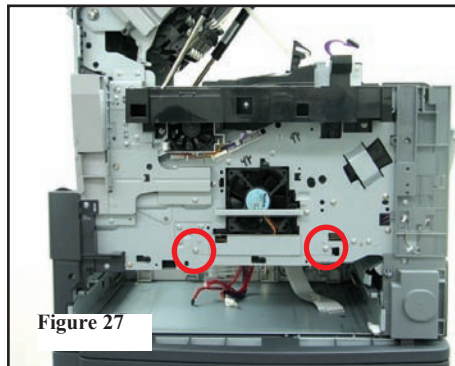


Figure 27

25. Remove metal access panel under fan, 2 screws. (Figure 27)

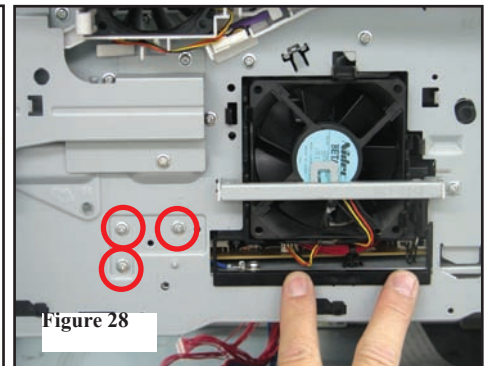


Figure 28

26. Disconnect fan cable and thermistor cable as shown. (Figure 28)

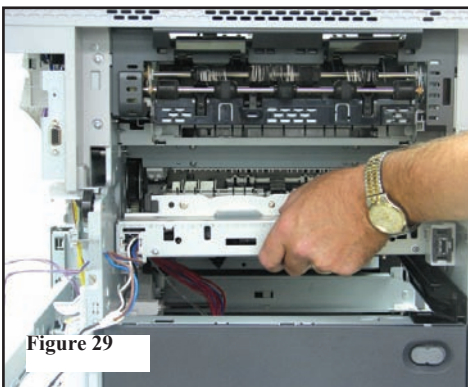


Figure 29

24. Remove white fan plenum, 2 screws. (Figure 26)

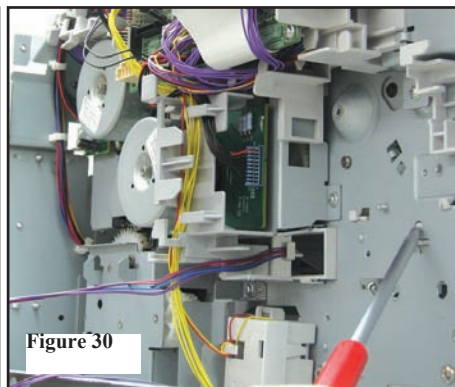


Figure 30

27. Remove 3 screws in recessed area. (Figure 28, red circles)

28. Lift out printer power supply from left and remove. (Figure 29)

29. Remove power supply guide (see inset) by pushing in lock button. (Figure 30)

30. Remove cable protector behind power supply guide by first loosening purple cable (Figure 31, red arrow) from guides just for slack. Then pry lock tabs on 3 sides of the cable protector and let hang from purple cable underneath power supply.

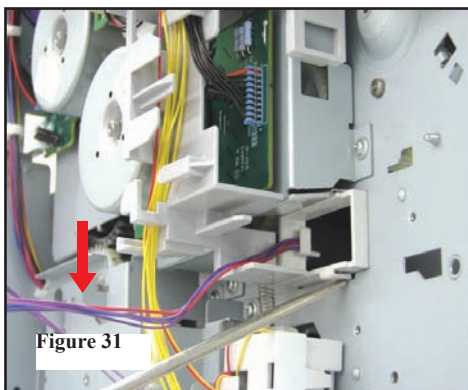


Figure 31

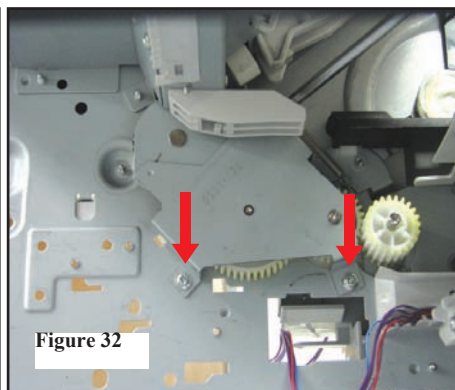


Figure 32

31. Remove swing plate by removing 3 screws, and slide down and out. (Figure 32)

32. Reinstall new swing plate by lining up pegs in holes and inserting engagement foot into hole in front.

Once the swing plate is changed, reverse the procedure to reassemble the printer. ♦

*This article is contributed by Parts Now! Technical Support. If you have any questions, please email to: [t.support@partsnow.com](mailto:t.support@partsnow.com) or visit their website [www.partsnow.com](http://www.partsnow.com).*