



Dolby® DP600 Motherboard Fan Replacement Guide

Issue 1

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DP600 Motherboard Fan Replacement Instructions

This document shows you how to replace the DP600 motherboard fan. Before you begin, be sure you have the following:

- Phillips screwdriver
- Cutters
- Plastic tie wrap
- Fan replacement kit (DP600MBF-SPK) with fan assembly (Dolby Part Number 8305320)

Please read this entire document before you begin the procedure. This procedure will take approximately 20 minutes.

Replacing the Fan

To replace the fan:

1. Power down the unit as follows:
 - a. From the touch screen, press **System>Power>Shutdown** (you may need to enter an administrator password), then press **ok** at the prompt. The unit will begin the shutdown process.
 - b. Wait until **Dolby DP600 Program Optimizer** appears on the screen, as shown in [Figure 1](#), then disconnect the power cords from the back of the unit.

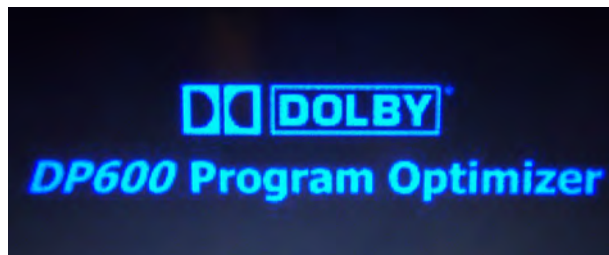


Figure 1 Disconnect Power Cords when You See This Screen

2. Remove the DP600 from its rack.
3. Remove the top four screws on the front of the lid, as shown in [Figure 2](#), then remove the top four screws on the rear of the lid, as shown in [Figure 3](#).

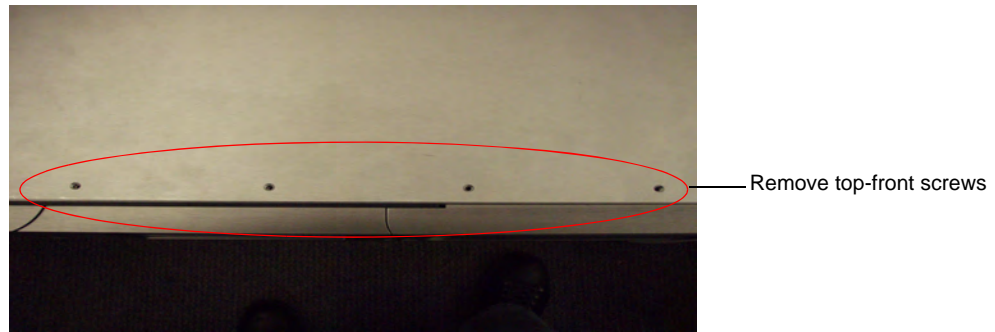


Figure 2 Remove Top-Front Screws

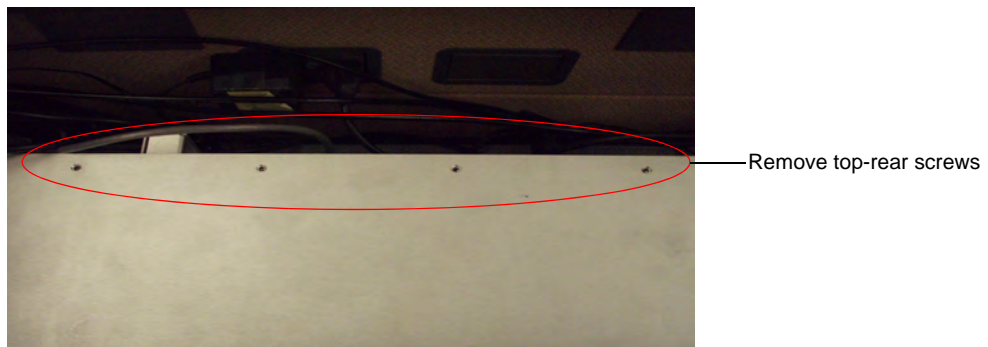


Figure 3 Remove Top-Rear Screws

4. Remove the far-left and far-right screws on each side of the lid (two each on the right and left sides). Then loosen (but don't remove) the remaining (middle three) screws on the left and right sides of the lid, as shown in [Figure 4](#) and [Figure 5](#).

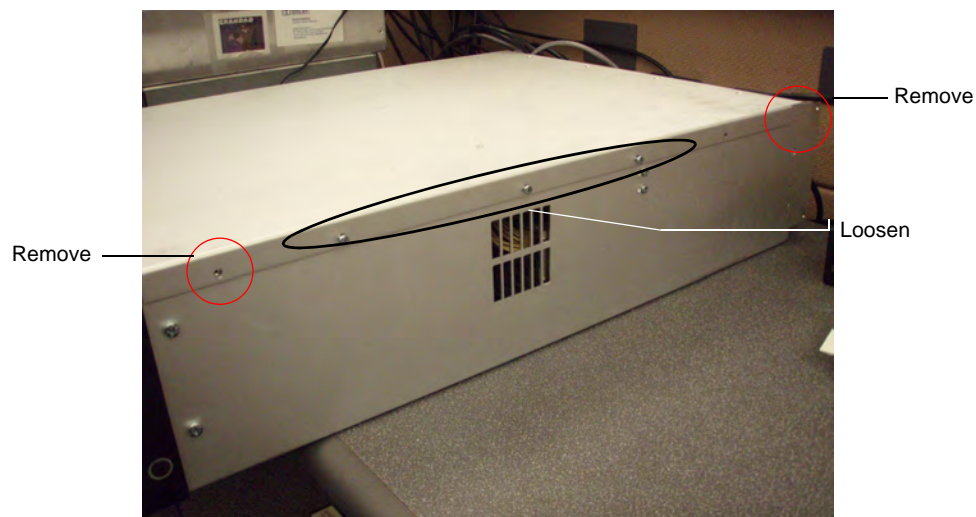


Figure 4 Right-Side Screws

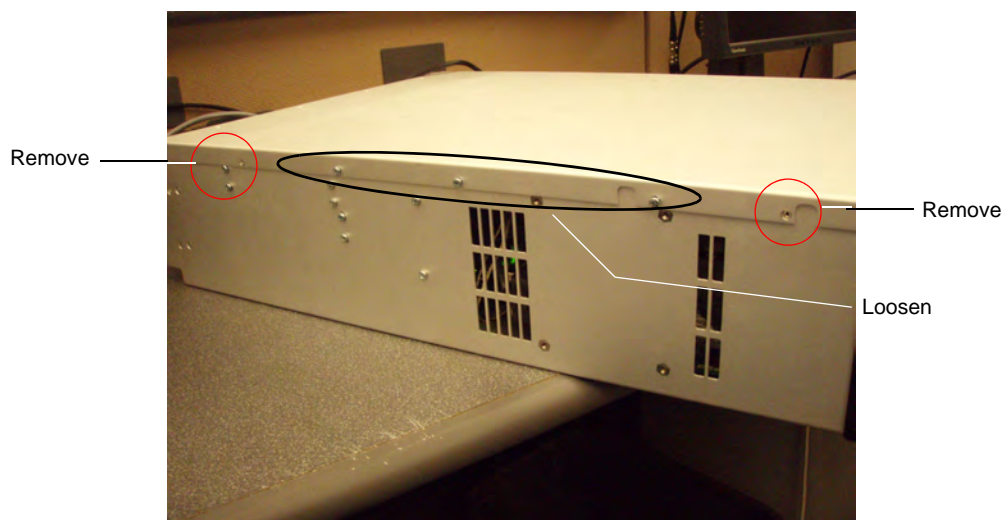


Figure 5 Left-Side Screws

5. Remove the lid from the unit.
6. Locate the two rear motherboard fans within the unit, as shown in [Figure 6](#).

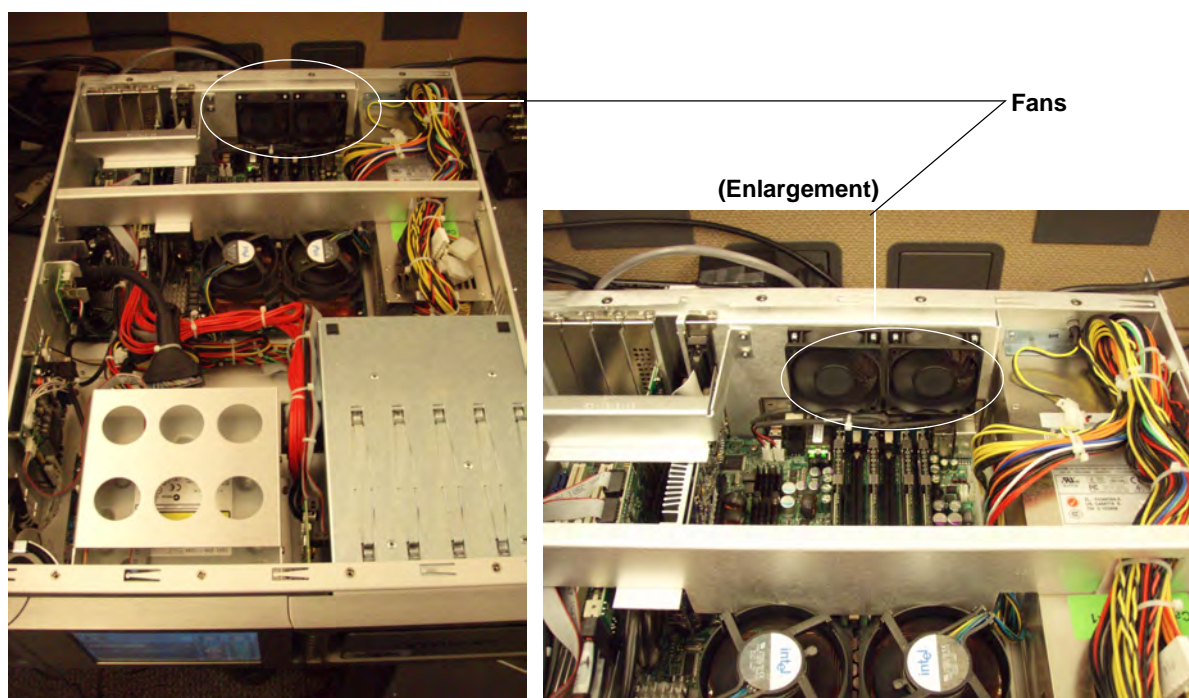


Figure 6 Locate Motherboard Fans

7. Carefully clip the plastic tie wrap securing the fan assembly cables, as shown in [Figure 7](#).

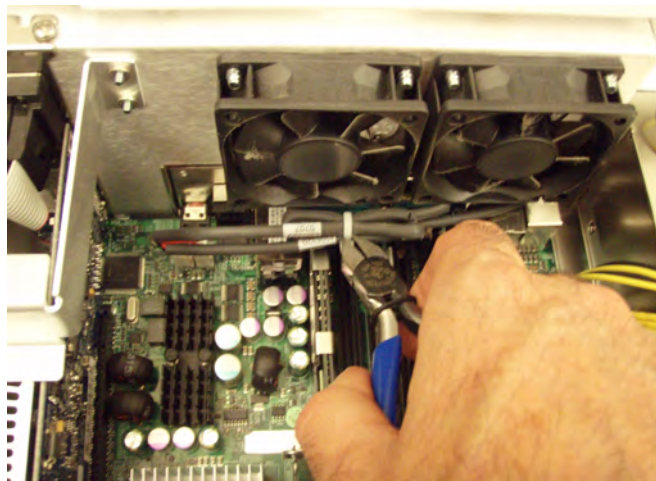


Figure 7 Clip Plastic Tie Wrap

8. Identify the cable leading to the failed fan assembly, and carefully disconnect it from the motherboard, as shown in [Figure 8](#).

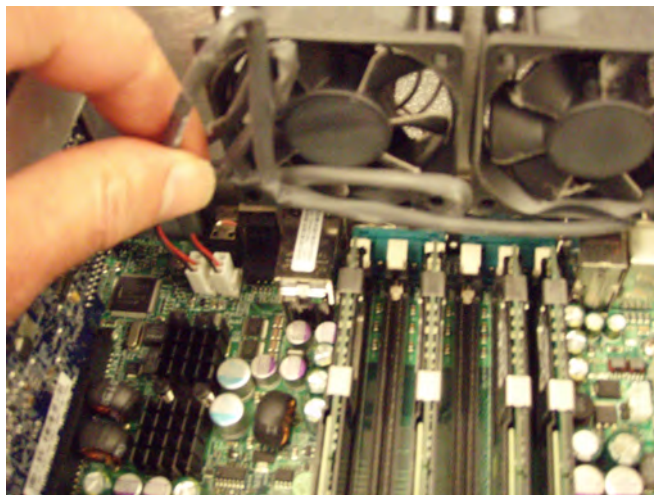


Figure 8 Disconnect Failed Fan Cable from Motherboard

9. From the rear of the unit, remove the four screws holding the fan and protective grill assembly in place, as shown in [Figure 9](#).
Be sure to secure the fan from within the unit, to prevent it from falling on the motherboard and damaging components.



Figure 9 Remove Four Fan Screws

10. Remove the failed fan assembly (see [Figure 10](#) and [Figure 11](#)).



Figure 10 Remove Failed Fan Assembly

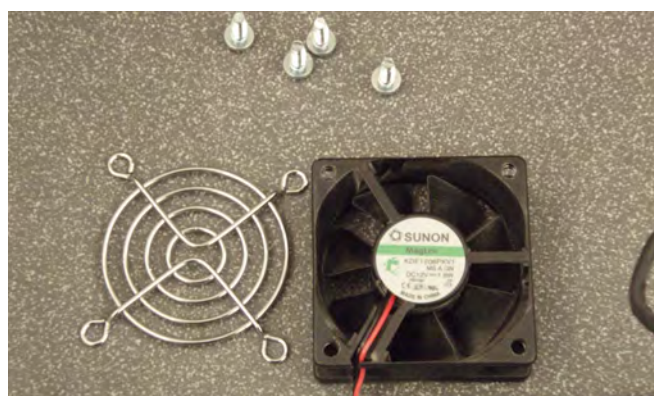


Figure 11 Protective Grill and Failed Fan Assembly

11. Insert the replacement fan into the unit (with the label facing outward), reinstall the protective grill, then use the four screws you removed in step 9 to secure the entire assembly, as shown in [Figure 12](#).



Figure 12 Install Replacement Fan in Unit and Replace Screws

12. Connect the new fan assembly to the motherboard, using the cable you disconnected in step 8, as shown in [Figure 13](#).

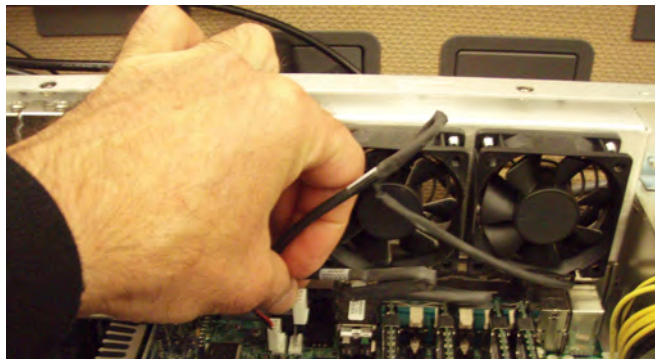


Figure 13 Connect New Fan Assembly to Motherboard

13. Secure the excess cables with the provided plastic tie wrap, as shown in [Figure 14](#).

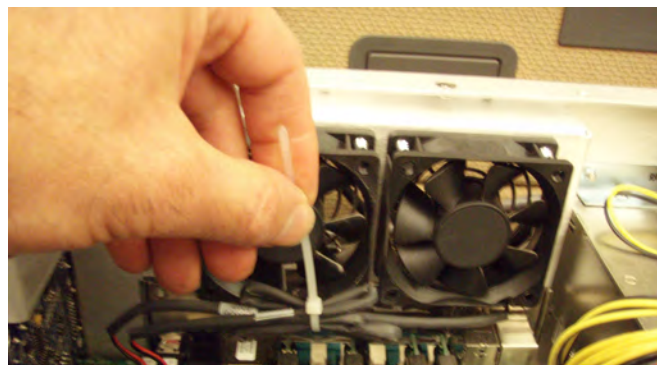


Figure 14 Secure Excess Cables with Tie Wrap

14. Cut the excess tie wrap, then reinstall the DP600 lid using the screws you removed in steps 1–4.

The fan replacement is now complete and you can return the unit to service!

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