

To Remove the lower PS distribution panel Power supply tray, use the following procedure.

Disconnect Power from the wall breaker and remove transmitter rear panel.

Down in the lower right corner, you are going to start by disconnecting J1 and J3.

The White connector (J3, has a release on the top, you should be able to press the release and pull the connector loose see Figure 2



Figure 1 lower right connectors



Figure 2 disconnection of J1 & J3

Moving to the left, disconnect J2 by pinching the two sides together and pulling. Refer to figure 3.



Figure 3 disconnection of J2

Disconnect J4 the same way. Pinch the sides together and pull.

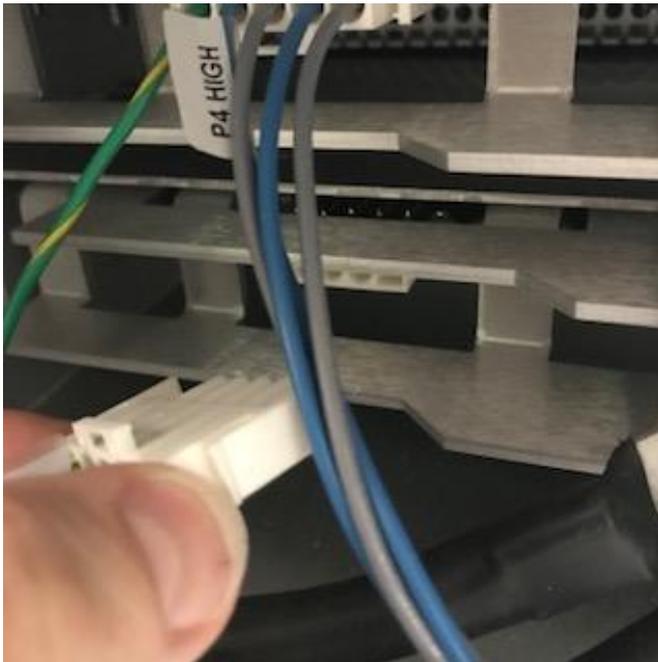


Figure 4 Disconnect J4

Using a 1/2 inch Nut driver or socket Remove the bottom two Nuts, washers and cables from the buss studs. You can leave the top cables connected.



Figure 5

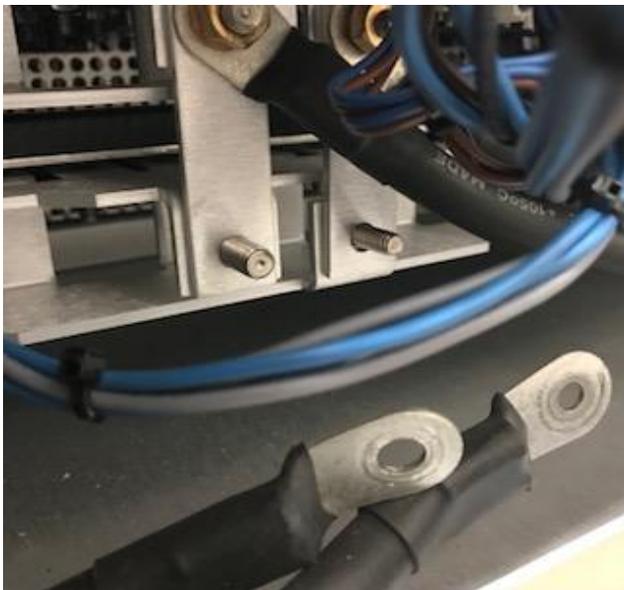


Figure 6 Buss wires disconnected

Stud and connectors are different sizes so you cannot get the assembly wrong when reconnecting.

Now with everything that you need to disconnect from the back, you need to go to the front of the unit and remove power supplies 5 through 8.



Figure 7 PS 5 through 8 removed



Figure 8 right side lock

Figures 8 & 9 show the lower power supply distribution panel latch in the lock and release positions



Figure 9 right side released

Figures 8 & 9 show the right side lower power supply distribution panel latch in the lock and release positions

Figures 10 & 11 show the left side lower power supply distribution panel latch in the lock and release positions



Figure 10 Left side lock



Figure 11 left side release

Now the tricky part, release both the left and right latches and pull the power supply tray straight out.



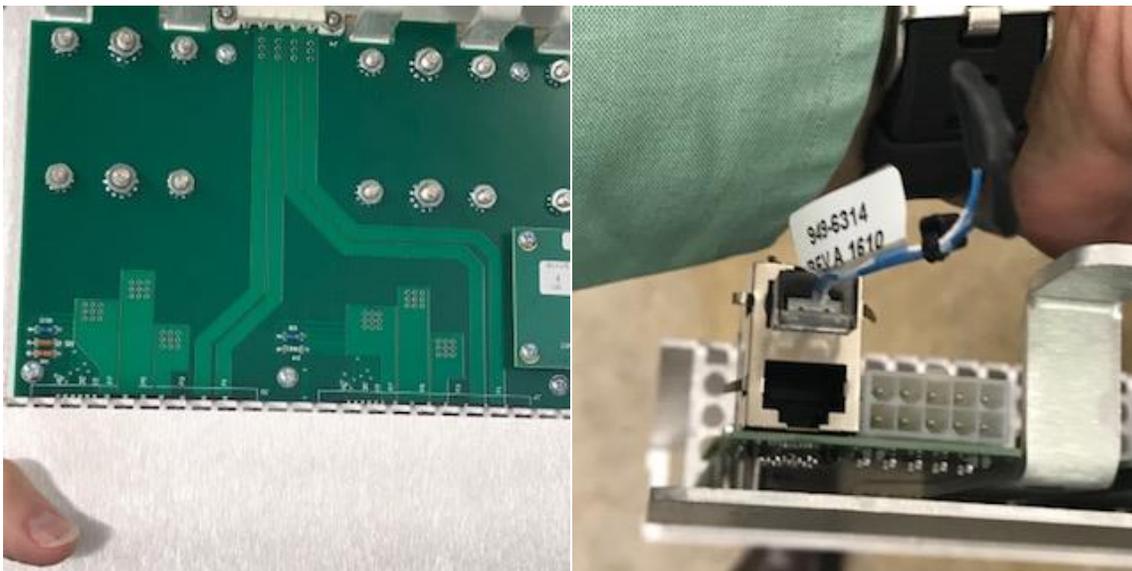
Figure 12 Removing PS tray



Figure 13 Half way out, Keep it straight



Figure 14 Power supply tray all the way out



The power supply tray and distribution board are now free. So you can work on them and replace the board if needed. Sometimes the mezzanine board on the power supply distribution board needs to be reset. If this is the case loosed the screws on the mezzanine board and grab the edges of the board near the connector and pull straight up, trying not to twist or put stress on the connector. Replace the board in the same manner and tighten the screws.

To install the tray back in the transmitter...

Align the top aluminum edge just under the top power supplies.



Figure 15 aligning for insertion

It is best to push from the middle of the tray to reinsert it. I usually use my body to apply the force evenly on the power supply tray. If the force is not even, it can cause the supply tray to bind up.



Figure 16 Almost back in

You may get the power supply mostly in. At that time go to the rear of the unit and check the alignment of the studs to the buss bar. As shown below.

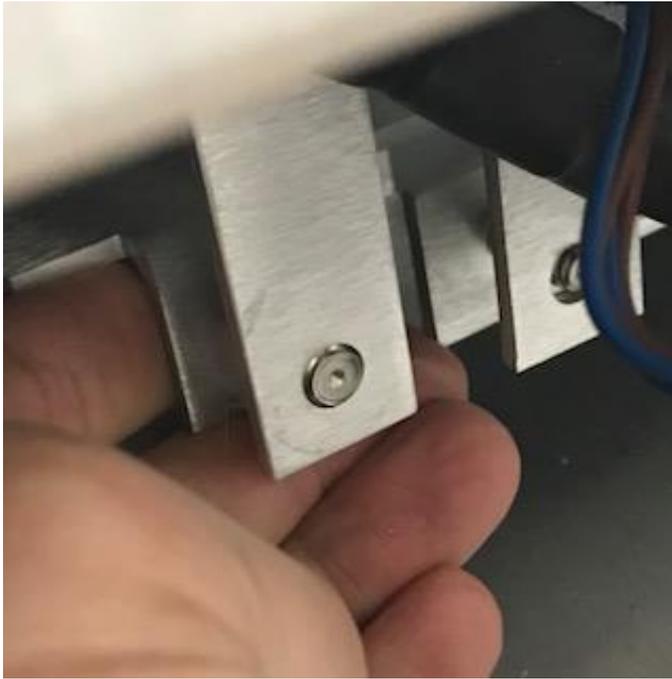


Figure 17 Recheck alignment in back



Figure 18 Align latches

Align the latches on both sides and push tray in fully until you can latch both the left and the right latches.



To install power supply units put the power supply in the slot. Use the front door of the power supply to push the module unit it stops.



Closure of the power supply door should pull the module in the rest of the way and lock it in place.