
Introduction

An overheating issue related to the UTAH-400 144x power supply harness has prompted the need for an on-site upgrade procedure. The following steps will illustrate the power supply harness swap. Even though these visuals will not depict an actual in-rack cable replacement, the basic procedure will be described along with the essential tools used.

Tools Needed

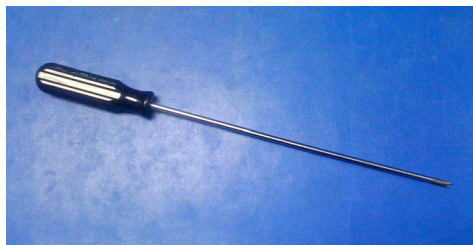
Make sure you have the following tools before starting this procedure.



Extended Vice Grip



Short flathead screwdriver



Long Screwdriver (optional)

FIGURE 1-1. Tools Needed

Step 1 - Power Supply Removal

With the router offline and the power disconnected, remove both upper and lower power supplies from the front of the chassis, then remove the fan units from the chassis rear.

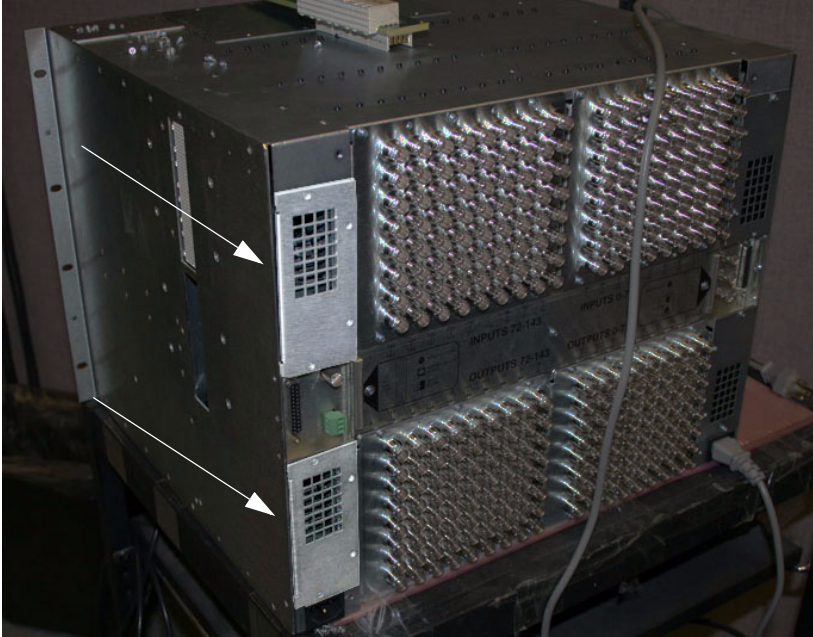


FIGURE 1-2. System Fans - to be removed

Step 2 - Bracket Post Cut

Using the extended vice grip and entering from the front of the chassis, reach all the way in and clamp each mounting post. Twist each one until the post breaks free.

Due to the awkward proximity of the small circuit board in front of the wiring mount, breaking these posts is necessary as part of the harness removal.

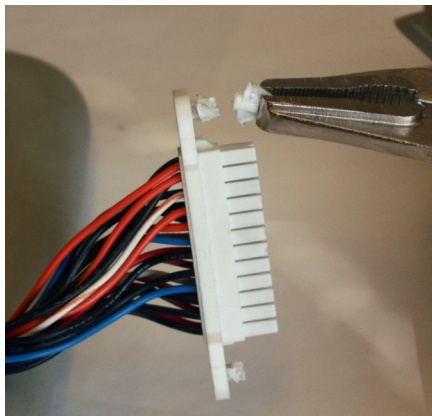


FIGURE 1-3. Bracket post break away

Unlocking the Bracket's Snap clamp

Once both posts have been broken off, you will need to open the bracket's snap clamp in order to free the harness. The snap clamp is located on the right side of the bracket as you work. Start by reaching inside the small space above and below the bracket, then locate the small Snap clamp (by feel) and push inward to release its locking mechanism.

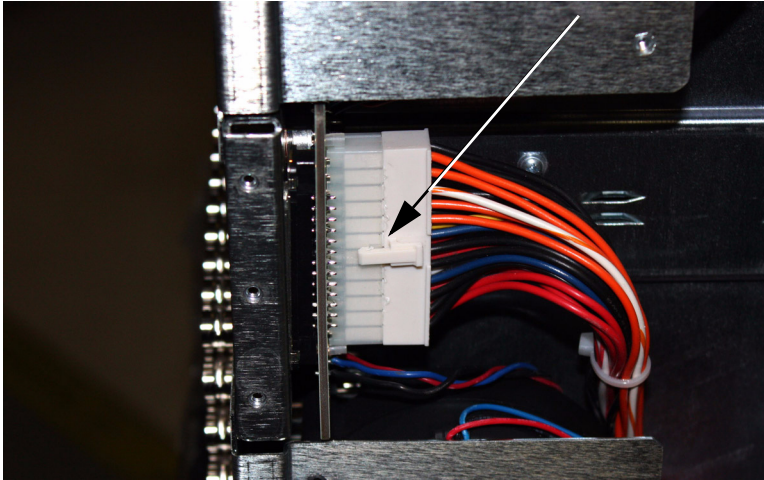


FIGURE 1-4. Unlocking the snap clamp

Work the bracket free from the mount by using the small flathead screwdriver.

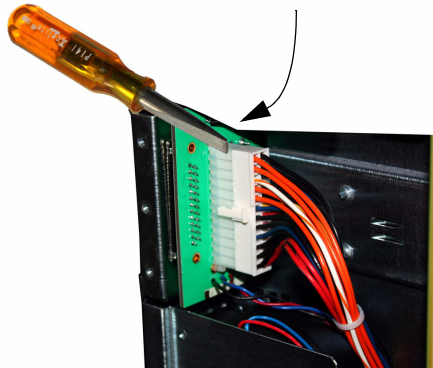


FIGURE 1-5. Bracket removal with small screwdriver

New Harness Replacement

Once the old bracket is completely removed, position the new harness inside, then use the long screwdriver to snap the lower post in place.

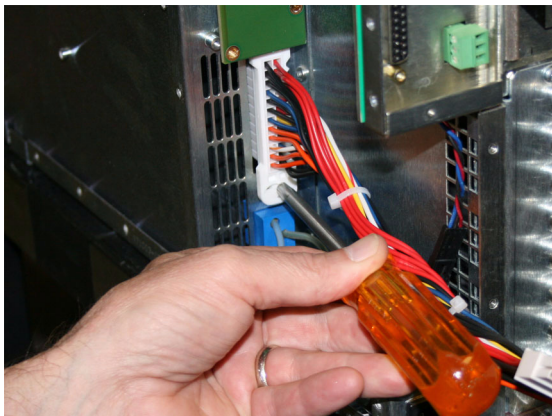


FIGURE 1-6. Bracket re-insert

Finally, push the top (upper) bracket in place to complete the harness swap.

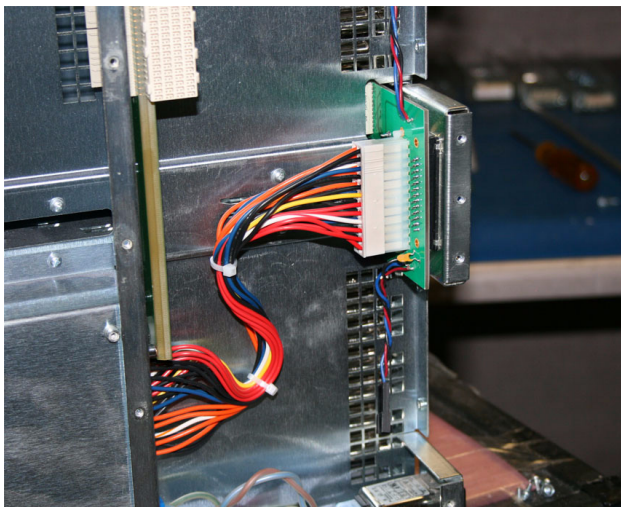


FIGURE 1-7. Harness swap completion

