2010 43QGP Allegro Bus

8/13/2013

EIGHTY-SEVENTH - coach modification – **ELECTRICAL PANEL VENTS.** This modification was actually performed soon after we purchased our coach. Other owners of similar coaches were having severe electrical circuit breaker tripping problem due to the extreme heat generated by the exhaust system. That heat is radiating up thru the floor into the electrical cabinet which is mounted on the closet floor directly over the exhaust system.

Two brown vents were purchased from the campground store. Two holes were drilled into the cabinet using a hole saw, one hole in the top of the cabinet and the second hole in the lower side of the cabinet. One vent was installed over the hole drilled in the top of the cabinet while the second vent was installed over the hole drilled in the lower side of the cabinet. At this point there has not been a method installed to push or pull air flow over the electrical panel and its heat sensitive circuit breakers, air flow by convection.

I am trying to determine the best method to move air flow thru the closet and the electrical cabinet.
I've given though to installing an air inlet to draw cooler air into the cabinet but where could I obtain that inlet air and where would the heated air be exhaust out to?

One though running around in my head is to install a vent line/hose from the AC plenum in the closet roof down to the cabinet with a switch or thermostat controlled fan to either push the cooled air thru the cabinet or to pull the air thru the cabinet.
At this point I'm open to suggestions?