

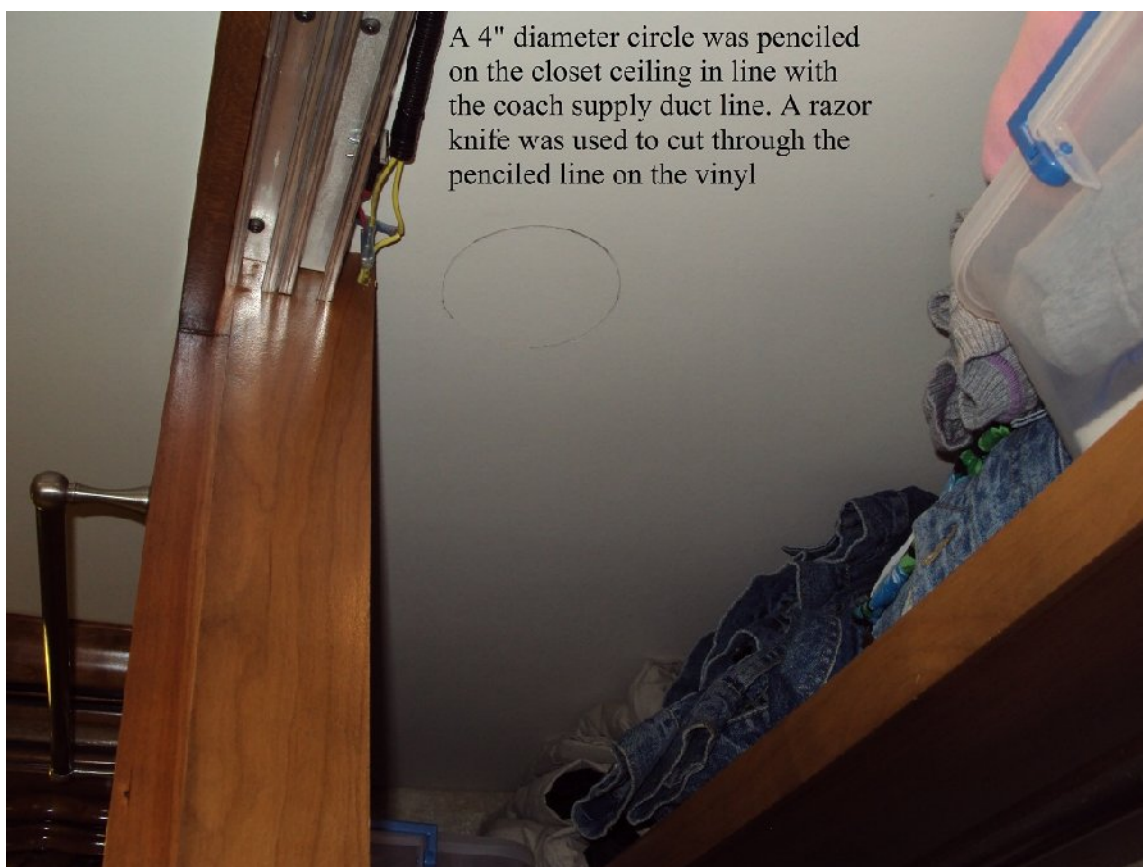


## 2010 43QGP Allegro Bus

5/25/2012

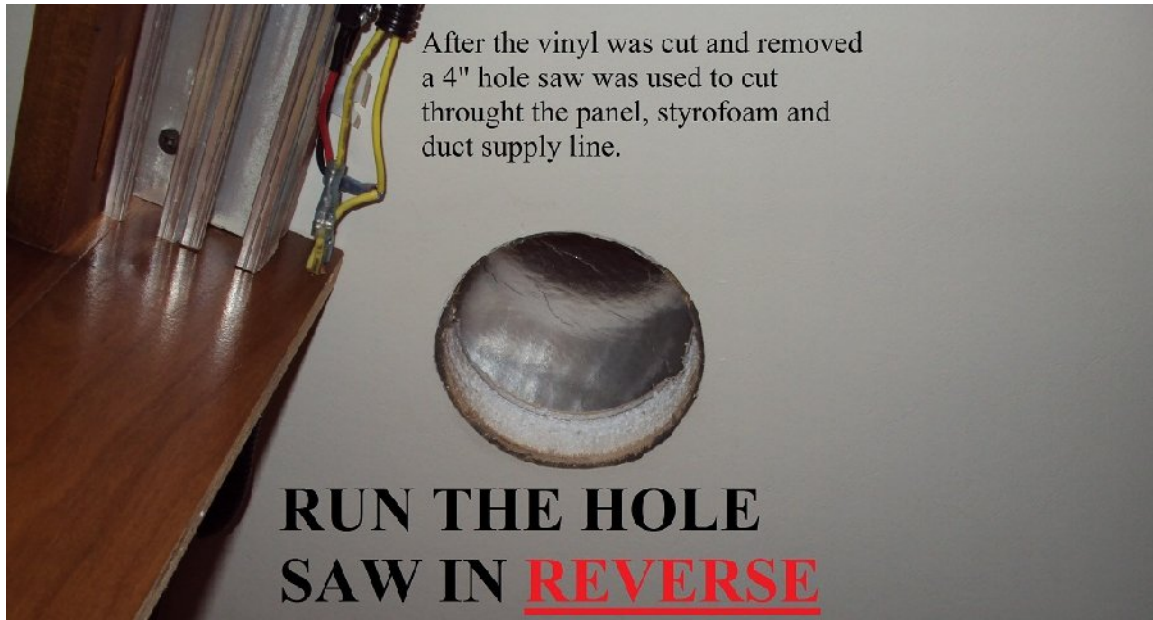
**FIFTY-SEVENTH** - coach modification – **AC/HP VENT IN REAR CLOSET.** Tiffin installed a return vent in our rear closet however they did not install a supply vent to provide Air Conditioning or Heat from the heat pump into the closet. After our coach was built Tiffin began installing a supply vent in the ceiling of the closet. In an effort to keep up with production changes an OEM supply vent was purchased from the campground store for \$ 1.50 plus tax.

After checking our closet ceiling to make sure nothing was in the way a 4” diameter hole was marked on the ceiling with a pencil. A razor knife was used to cut through the vinyl ceiling cover.



After cutting the vinyl circle the plug was peeled from the ceiling exposing a thin layer of gray foam padding. The next layer in the ceiling is the sheet of

Luan panel then the hard foam insulation and finally the duct board used to make the duct supply line.



Below is a photo of the ceiling sandwich. As stated it is made up of vinyl, gray foam, hard foam and duct board.

To make a point the next sentence is in **BOLD CAPITAL LETTERS**.

**DO NOT RUN THE HOLE SAW IN FORWARD (RIGHT TURNING) AS YOU NORMALLY WOULD TO CUT OUT THE PLUG, DOING SO WILL DAMAGE THE CEILING. RUN THE CUTTING HEAD IN REVERSE.**



The new supply vent is smaller than the other ceiling vents in the coach.



The Tiffin service center for a short period was installing this vent in the rear closet coach's with the floor mounted electrical panel as this combination was causing circuit breakers to trip in the electrical panel due to high heat exposure to the circuit breakers.

To my knowledge the practice was stopped after one of the service techs destroyed a ceiling panel by running the hole saw in the normal direction (not in reverse) which in turn snagged the vinyl ceiling ripping the vinyl. That mistake caused headaches for both the coach owners and Tiffin Motorhomes.

Circuit breakers operate (trip) based on the electrical load caused by heat in the circuit breaker. A circuit breaker when exposed to higher than normal heat, will trip at a lower current load than it is rated for. This circuit breaker problem was mostly noted by coach owners with the closet floor mounted electrical panel box when using the roof air conditioners to cool the coach while driving in hot climates.