2010 43QGP Allegro Bus

6/25/2012

EIGHTY-FIFTH - coach modification – **TRIMMED TOP OF BATHROOM DOOR.** The door to our mid-coach bathroom was installed one inch below the ceiling and three inches above the floor. The problem we've been experiencing with this location of the door, it does not allow for Air Conditioning or heat from the heat pumps to enter the bathroom from the hall way ceiling supply vent.
As seen in the below photo the ceiling supply vent is located outside the bathroom in the hallway. With one inch of open space above the door even with the new adjustable louvered vents the air flow cannot enter the bathroom.
This modification included cutting 1 ¼ inches from the center top of the door, the new opening should allow air to flow over the wider opening into the bathroom. This photo was taken while standing outside the bathroom door in the hallway.

As seen in the above photo, the center portion of the door outlined in RED was removed to allow more air to flow into the bathroom from the hallway ceiling supply vent. Cutting the top of the door as shown above did not lose any strength in the door panel's construction.
Initially my thoughts were to relocate the door downward one inch on the hinge side of the door however that would have required the door latch to be

lowered one inch also, that would have made for an ugly looking mess where the old door latch had been initially located.
This photo of the hallway bathroom door was taken from a different angle.

The below photo was taken from inside the bathroom. The addition of the red line was to show the door's construction before the modification, it is easy to see how this modification can allow MORE air flow from the ceiling supply vent. As stated on the first page, this door was installed one inch below the ceiling thus allowing almost no air flow from the vent into the bathroom. This modification along with the modification to install the new louvered AC/HP supply vents (82 - Installation of Closable AC-HP Vents) provides needed air flow for Heat from the heat pump or AC to the bathroom.