



2010 43QGP Allegro Bus

2/21/2012

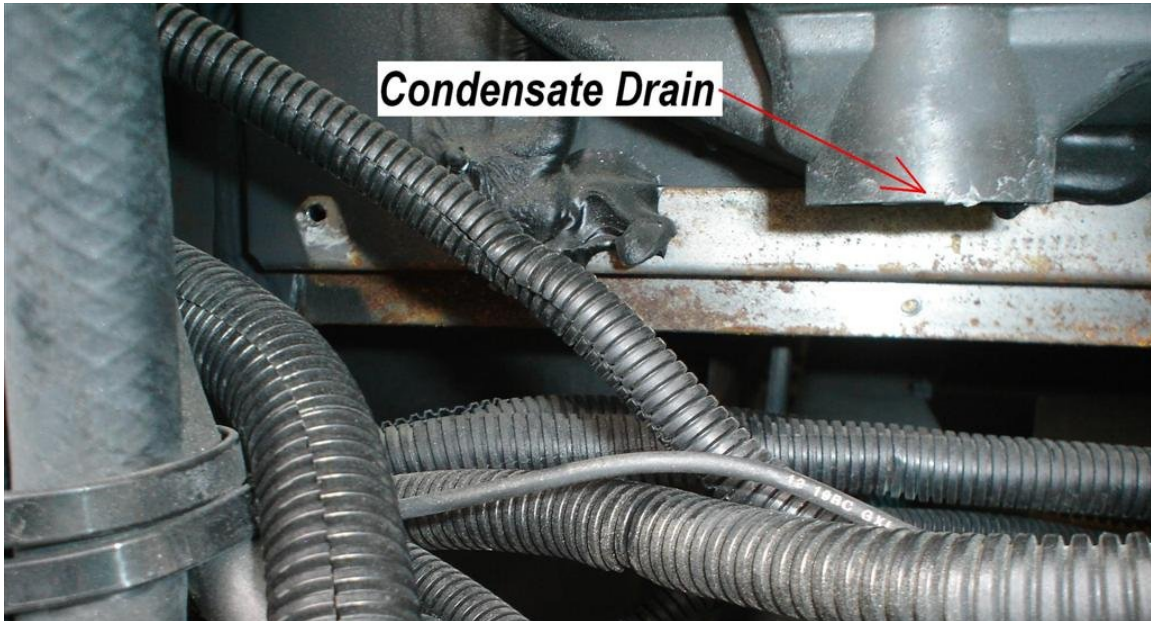
FIFTYTH - coach modification - **DASH AC CONDENSATE DRAIN.** A few years ago Tiffin coach's had a problem with the Dash AC condensate draining onto the electrical connections for the generator, which would occasionally either cause the generator to automatically start on its own or to automatically shut down on it own. On our previous 2007 Phaeton I built and installed an alternate drain to route the condensate to the bottom of the front cap where it could not do any harm.

Tiffin on our 2010 Allegro Bus decided to prevent the problem in the future they built and installed a metal diverter tray which routed the condensate toward the rear of the coach about eight inches then allowed the condensate to drain where it would when it exited the tray.

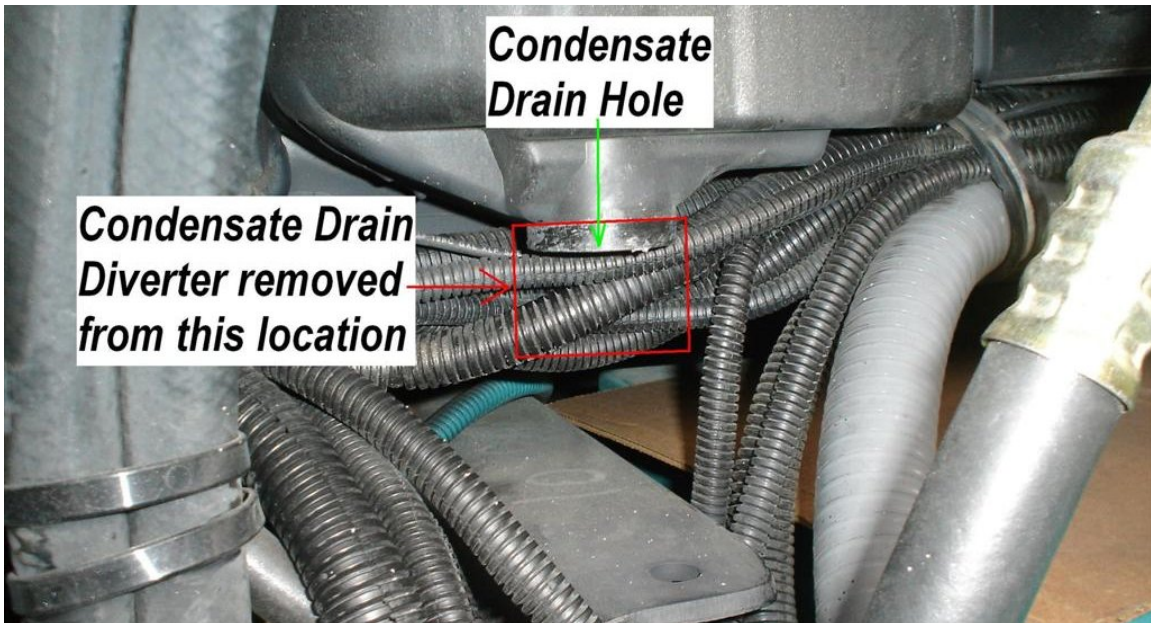


Our coach as I am sure it is not the only coach did not have all of the steel painted under the front of the coach, leaving a lot of bare metal. Condensate on bare metal makes rust rusty condensate (water) means a rust stain on the concrete garage floor.

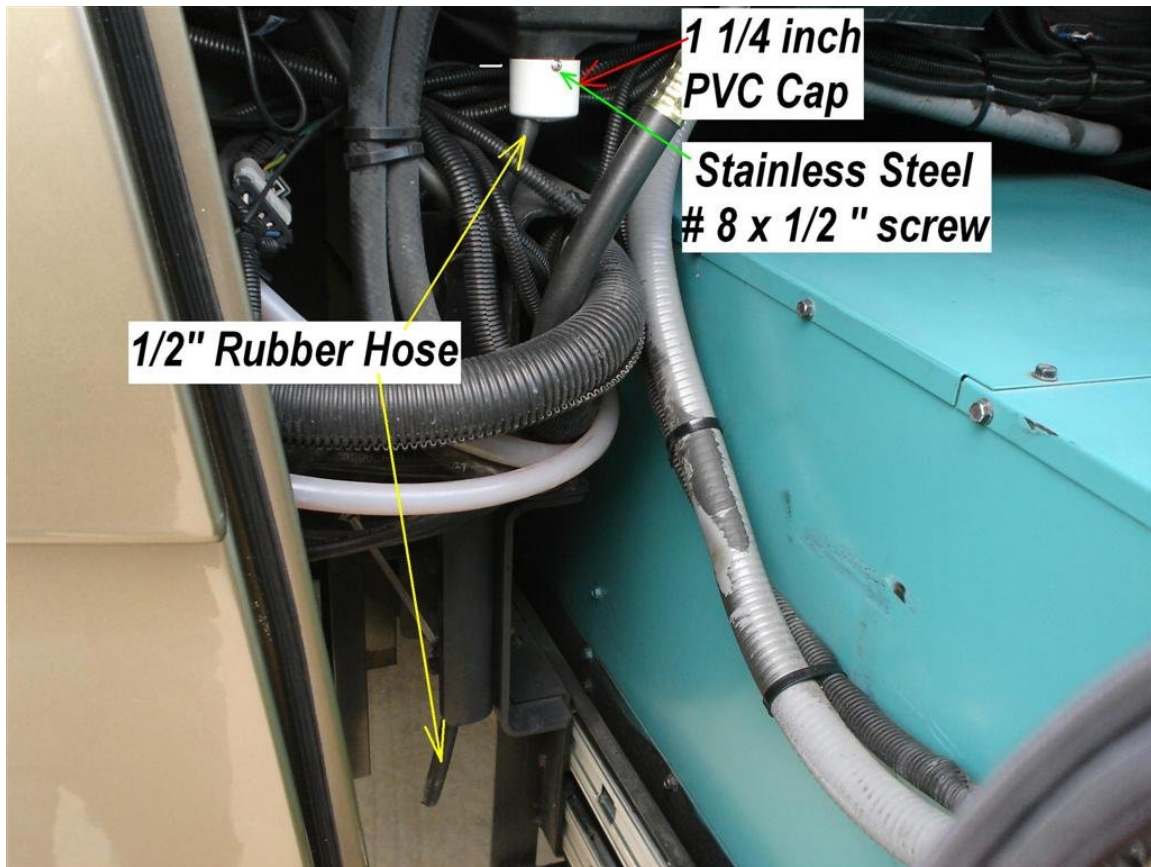
To access the bare metal tie wraps were cut and cable straps were removed from the coach's firewall. Bare metal was exposed almost the width of the lower firewall. After the metal had been painted with several coats of flat black paint the tie wraps were replaced and the cable straps were re-secured to the firewall.



Rather than re-install Tiffin's diverter I decide to make and install my version of a condensate diverter, a diverter which routes the condensate past the metal components where the condensate can drain without creating problems.



The Ted Bryan Condensate Diverter uses a 1 1/4 " PVC Cap with a 5/8 " hole drilled off center in the top of the cap. A 1/4 inch high by one inch section of the caps lip was removed to allow the PVC cap to slide up onto the back side (firewall side) of the dash condensate drain. A 30 inch section of 1/2 inch rubber hose was inserted into the 5/8 " hole the hose has to be a tight fit as no other fastener was used to keep the rubber hose in place. The hose was secured to the coach with a couple of tie-wraps to direct the out flow of condensate away from the coach.



A small hole was drilled through the PVC cap into the dash AC Condensate drain, then the PVC cap was secured in place with a # 8 x 1/2 stainless steel screw.

A duck-bill will be slid over the lower end of the rubber hose to prevent any wasps or mud daubers from clogging up and closing off the condensate drain.

I have no idea what Tiffin paid for the design, build and installation of its Dash AC Condensate Diverter but my Condensate Diverter, in my opinion works better now and I expect to be happier with it in the long run.