



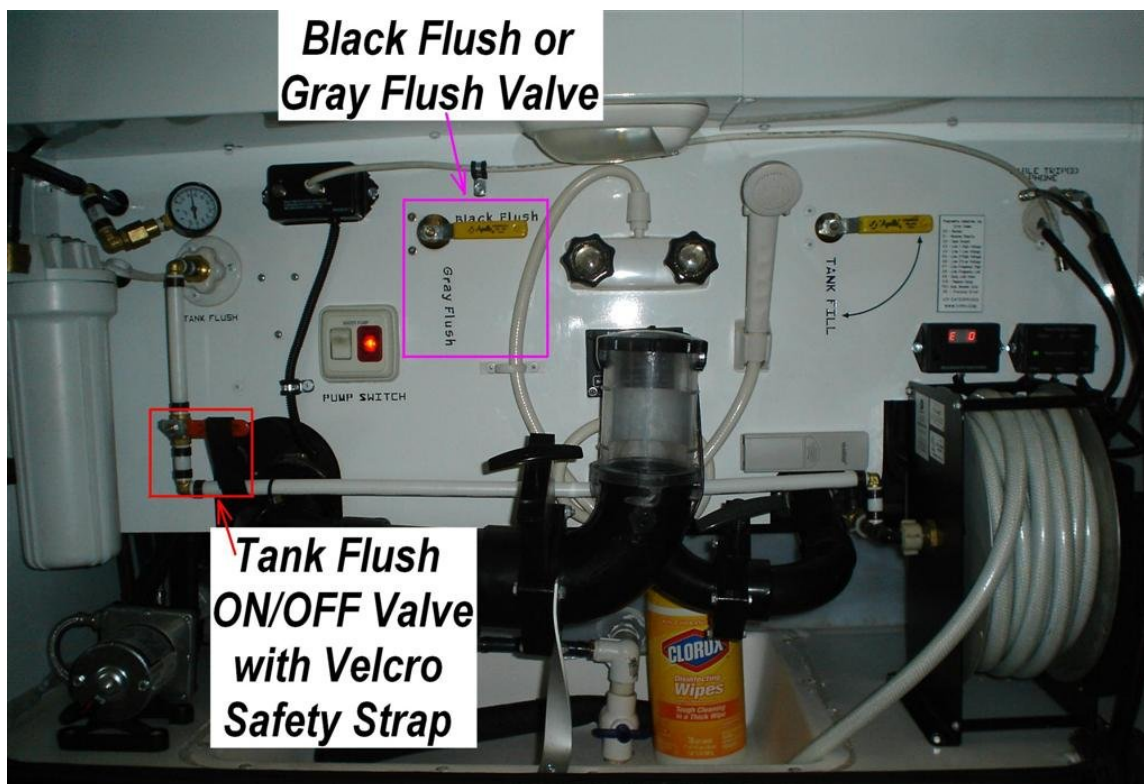
2010 43QGP Allegro Bus

11/28/2011

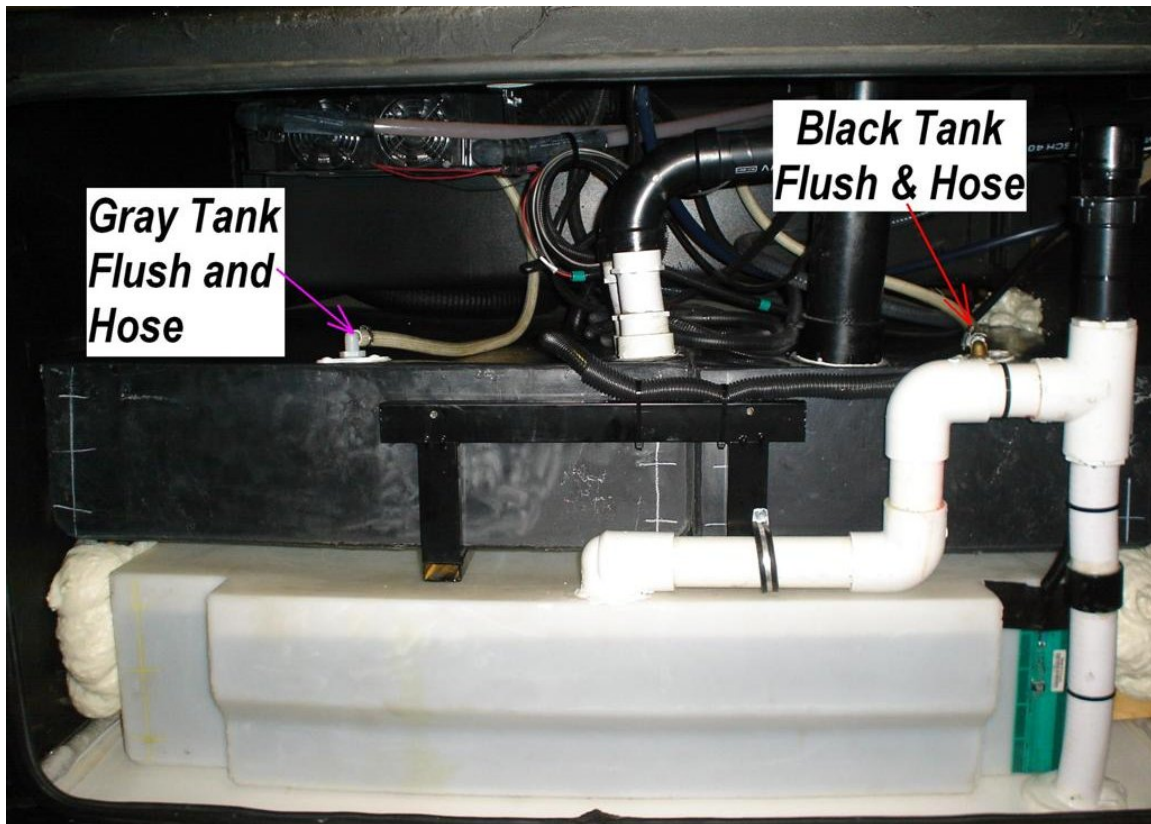
FORTIETH - coach modification, **GRAY & BLACK TANK FLUSH SYSTEM.** Often I have the desire to flush the gray tank which involves finding ways to add water to the gray tank. Most often that method is to turn on a sink faucet and allow the water to run until the gray tank has adequate water to be used for flushing. This method works but it can be very time consuming.

After some thought and time to find and purchase the necessary components, the OEM black tank flushing system was modified to incorporate the gray tank flushing components into the OEM black tank flushing system.

Using Tiffin's black tank flushing system as a starting place, a two way valve was added between the anti-siphon valve/back flow preventer and the black tank's No Fuss Flush tank spray head. The valve was mounted on the back board of the wet bay panel, when the flush valve handle is in the horizontal position and the tank flush water is turned ON the system flushes the black tank, when the flush valve handle is turned to the vertical position, and the tank flush water is turned ON the system flushes the gray tank.



As seen in the above photo the tank flush water is still controlled by the Tank Flush ON/OFF valve which was installed in a previous modification. The valve is connected by PEX tubing between the water hose reel connection and the tank flush connection located on the wet bay panel. It was necessary to install a second No Fuss Flush tank spray head in the gray tank just as Tiffin had installed the original No Fuss tank spray head in the black tank. Both tank sprays were then connected with white water hose to the Black & Gray Tank Flush Valve mounted on the wet bay panel.



I decide not to make the tank flush modification more complex then necessary as at some point in the future there will be another owner of this coach. The wet bay panel was stenciled with the following lettering, "Black Flush" in the horizontal above the yellow handle and "Gray Flush" vertically to the right of the yellow handle when the handle is in the vertical position. While the passenger side wet bay panel was removed I took time to clean the compartment and enclose all wiring in split loom. During a warranty trip Tiffin installed longer sensors on the deeper end of the three tanks for better accuracy and to display the actual fill level, black and gray tank sensors are located on the driver's side and the fresh water tank sensor as seen above is located on the Passenger side of the water tank.

Plumbing Schematic for the Black & Gray Tank Flush System

