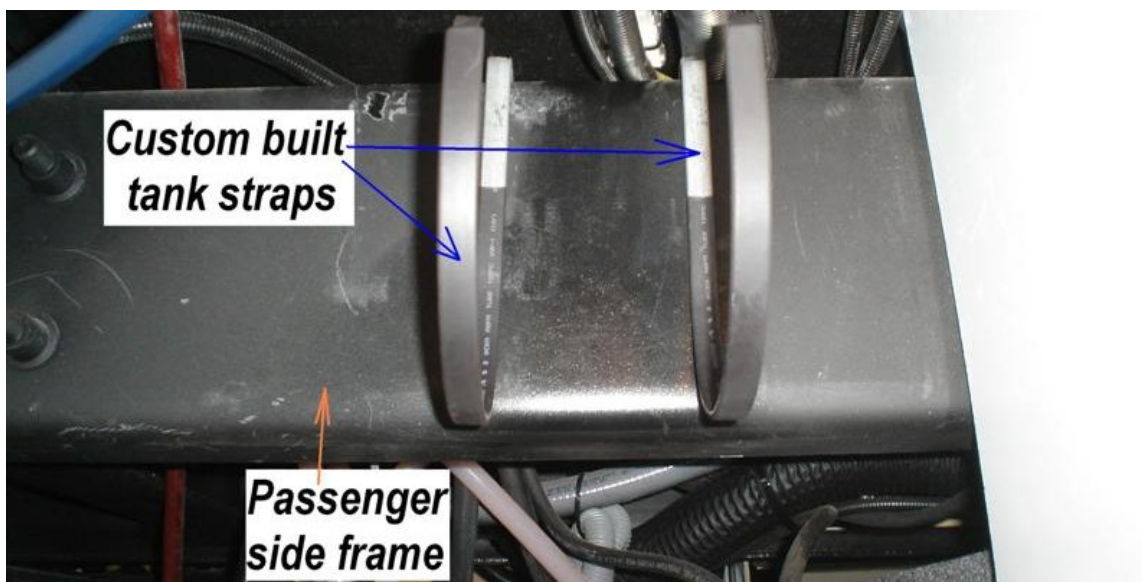




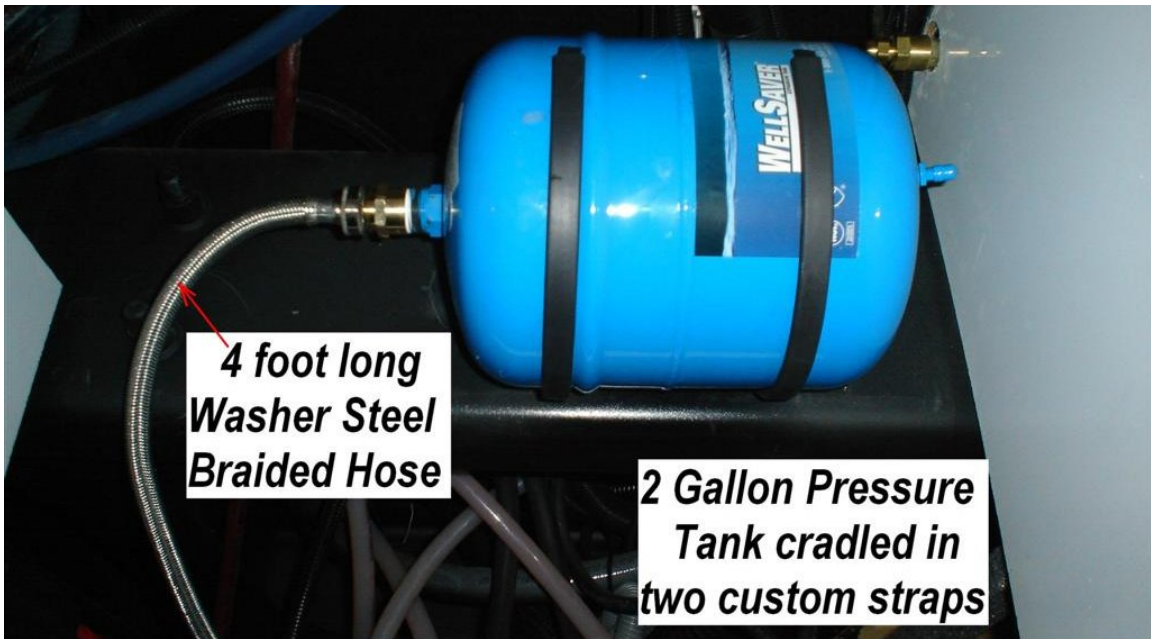
2010 43QGP Allegro Bus

7/4/2011

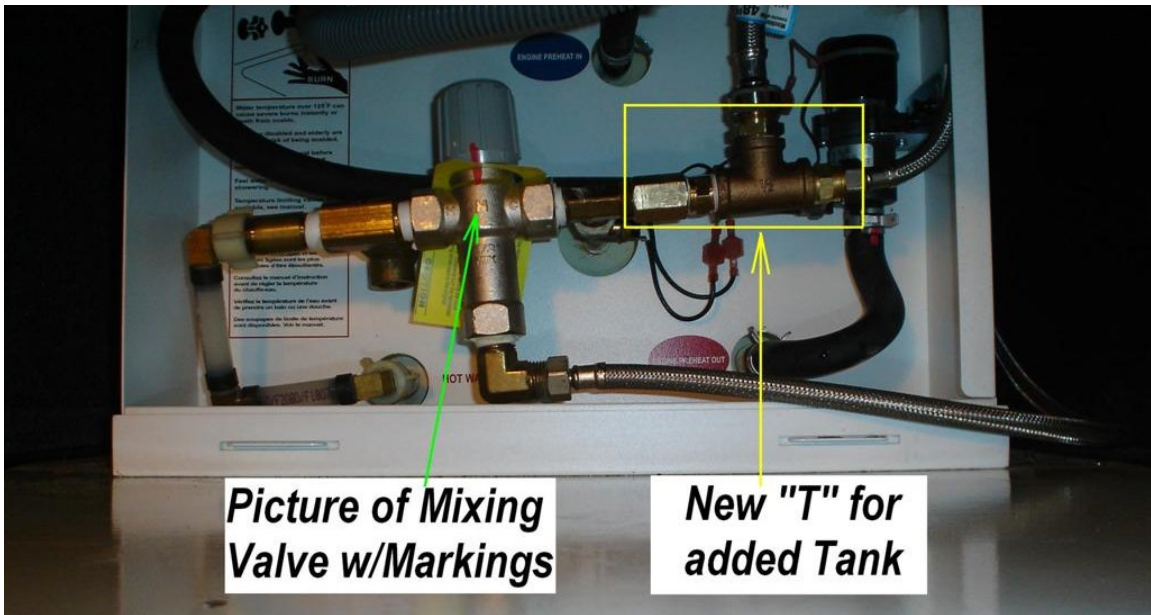
TWENTY-NINETH - coach modification **Pressure Tank installed in Fresh Water System.** Installing a 2 gallon pressure tank in the fresh water system is a modification I have made to each of our coaches. Installing the tank allows the fresh water system to operate in a more normal manner. In most cases when a water faucet is turned on with the water pump turned ON causes the pump to either cycle rapidly on/off on/off or if you open the faucet wide open the pump will run until you turn the faucet back OFF. After the tank was installed the water system takes about 20 seconds to recharge the pressure in the tank and water system, which means when the pump is operating it will run for about 20 seconds, then turn OFF. Now when the water is turned on depending on how much water is used the pump may or may not even cycle every time a faucet is turned ON.



Galvanized chain link metal was used for the straps. 1/2 inch shrink tubing was slid over the straps then shrunk in place, hoping for a noise free cradle with plenty of strength. The tank was mounted on the outside of the passenger side frame rail in the Aqua Hot compartment. The drivers side of the Aqua Hot compartment has many electrical components which I did not want to expose to any possibility of water damage in the event of a hose or fitting leaking.



Pressure tank installed in its cradle with steel braided hose attached. Air pressure in the tank bladder was reduced to 20 PSI to allow for water storage in the tank and expansion of the pressurized system water capacity.



Seen in the above picture a new brass Tee was built to add the new water tank braided line to the cold water input of the Aqua-Hot. The cold water input is NON-Filtered water taken from the cold water line between the cold water wet bay faucet and the water filter.