



2010 43QGP Allegro Bus

5/31/2013

SEVENTY-SEVENTH - coach modification – 90 ° WATER SHUT OFF VALVES FOR HALF BATH AND REAR BATH TOILETS.

The design of our 2010 Allegro Bus provides two toilets making our RV nice for two people with a two holer as the two hole outhouse is termed in the south. One drawback found on our coach, neither toilet's water supply can be turned OFF without interfering with water to other fixtures on the same water line.

I decided to modify the water supply plumbing to our both toilet's by adding a 90° water shut off valve at the rear of each toilet.



90° Shut Off Valve
for Rear Bath Toilet

As seen in the above photo to turn OFF the water to the rear bathroom toilet requires the person to reach behind the toilet and turn the black handle 90 ° to turn OFF the water to the toilet. The valve was inserted as high on the PEX supply line as possible making reaching over the back of the toilet to

access the shut off valve easier without needing to kneel to reach the valve. This modification was the result of hearing other Tiffin owners having toilet flush problems and not being able to turn off the water to the toilet. That problem has been addressed with this modification to our coach's toilets.



The two 1/2" PEX shut off valves were purchased thru the Tiffin Motorhomes Service Center store at Red Bay for \$ 3.91 each, their Tiffin part number is 3063.

Fortunately the PEX crimping tool and 1/2" copper crimp rings were already part of my tool box, they were purchased from Home Depot to complete a previous motorhome project. This specific PEX crimping tool crimps both 1/2" and 3/4" copper crimps its cost was \$ 57.00 while the 1/2" copper crimp rings were about \$ 6.00 per 25 pieces.

To finish the project, I made sure Cathey was aware of the locations of both toilet shut off valves and she has operated each of them for me.