



2010 43QGP Allegro Bus

4/20/2013

SEVENTY-FIFTH - coach modification – BLACK & GRAY TANK DUMP VALVE SUPPORT. Unless recent dump valve modifications at Tiffin have been to eliminate the plumbers strapping Tiffin has been using for years for support of the dump valves. I suggest you implement this low cost modification to prevent problems when the dump valves are subjected to upward movement which is not prevented by the Tiffin installed plumbers strapping.



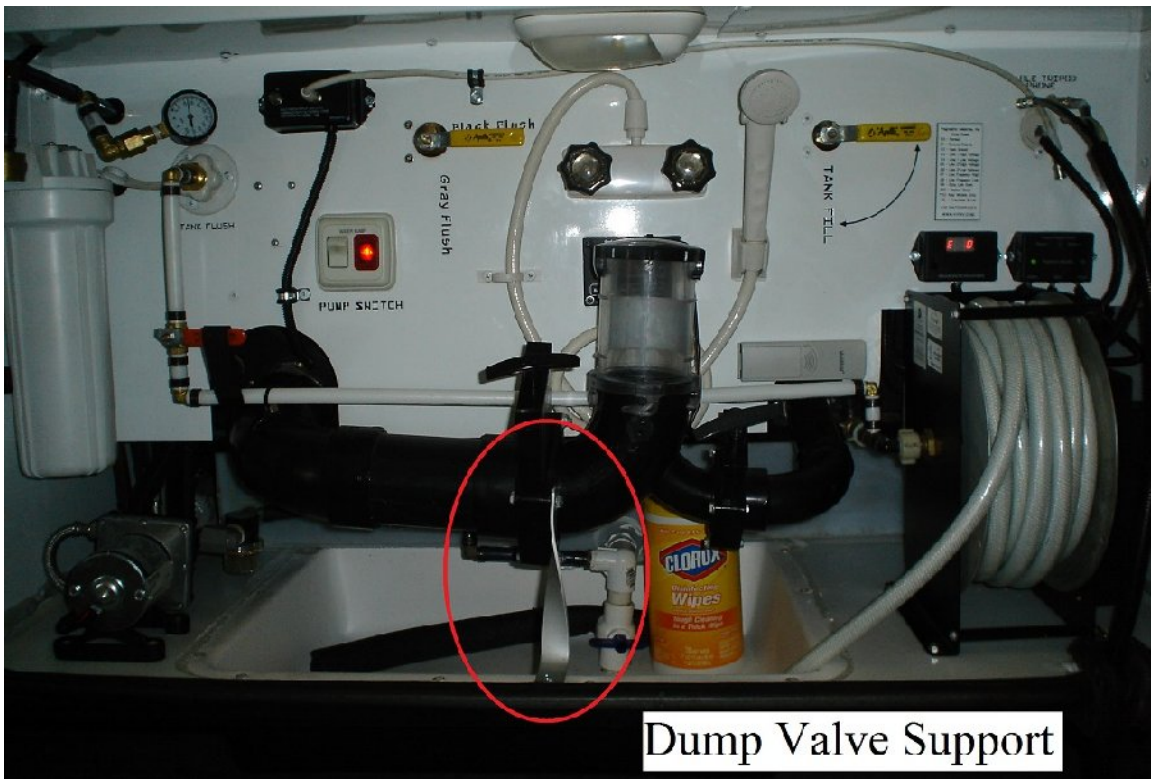
As seen in the above photo a piece of 1/8" x 1" x 8" flat aluminum stock was cut and installed on our coach. The same modification had been performed on our previous Tiffin coach a 2007 Phaeton. A 5/16" hole was drilled on center and 1/2" from the end of the aluminum, six inches from that end a 90 ° bend was made to allow the metal to be mounted to the floor of the wet bay. The metal was placed in a vise then the

metal was twisted 90° using a crescent wrench. A second 5/16” hole was drilled centered on the metal and 1/2” from the second end.

A long standing habit of mine is to replace all bolts and nuts with stainless steel hardware whenever possible the dump valve hardware was replaced using 1/4” stainless steel bolts and stainless steel Nylock nuts.

The plumber’s straps installed by Tiffin during construction were both removed, allowing the dump valve’s to be lowered to allow more complete dumping of the tanks where before the tanks could not be completely drained as the dump valves were strapped higher than the lowest point of the tanks.

Prior to this modification the plumber’s strap’s prevented the dump valves from dropping lower however they did nothing to prevent the valves from being raised or lifted upward. My one fear prior to this modification was the upward movement of the valves could cause the two dump pipes to be pulled out of the tank fittings as the ONLY way the pipes are held in place is with two hose clamps on each pipe at the tank fitting. Those pipes are not glued in place, rather they have plumbers putty around the pipe then the dump pipe is inserted into the tank fitting where the hose clamps when tightened squeeze the fitting around the pipe.



Dump Valve Support

It has been said a picture is worth a 1,000 words.