



## 2010 43QGP Allegro Bus

11/6/2012

**SIXTY-EIGHT –A – a coach modification – PIGGY BACKING A RECEIVER.** As part of a modification to carry a spare tire and rim on the back of our coach a method to add an additional 2” receiver to the coach to use in mounting a tire/rim carrier was needed.

After several months of back and forth studying different ideas, the winner was to install a “PIGGY BACK ”, 2” receiver on top of the 10,000 pound CURT 2” receiver installed by Tiffin.

A 3,500 pound step bumper receiver was selected manufactured by Haul Master and sold by Harbor Freight tools for \$ 15.99. The piggy back receiver sits on top of the Curt receiver. Four 1/2” bolts, washers, lock washers and nuts were used to bolt the two units together. Two 5” bolts were installed thru 1/2” holes drilled thru the four inch square bar installed between the chassis’ frame rails.



After aligning the new receiver with the OEM receiver the two bolts were snugged to allow marking of the location for two front holes to be drilled thru the lower OEM receiver plate, which is used in the OEM receiver as an anchor point for the two tow safety cables. After the holes were marked and

drilled two 4 1/2" long 1/2" bolts were installed to secure the new receiver on top of the OEM unit. All four bolts were securely tightened after centering the receiver.



View from the right side of the new 2" "Piggy Back" receiver.



View of the left side of the new "Piggy Back" receiver.

As seen in the first photograph this receiver was designed to handle 350 pounds of tongue weight and 3,500 pounds of towing weight. The tire, rim and tire carrier weight combined slightly, exceed 200 pounds.