



## 2010 43QGP Allegro Bus

6/7/2013

**EIGHTY-FIRST - coach modification – TST TPMS REPEATER MOUNTED IN REAR CLOSET.** This modification was to add a signal repeater for our 510RV Truck System Technologies Tire Pressure Monitoring System. With our 43 foot coach and towed vehicle the distance between the monitor and the towed vehicles rear tire sensors was over 60 feet. We occasionally experienced one or more sensors stop reporting to the monitor.

To prevent the tire sensors from dropping out and not reporting to the monitoring unit the Truck System Technologies system was designed to allow for adding a remote repeater to the original system.



I decided the easiest place to obtain power for the repeater would be the closet lighting circuits wiring located near the top of the closet shown in the next photo.



As seen above the power for the two closet lights can be seen in the above green square. The repeater circuit required a ground wire (12- VDC) to be tied into the mirror lighting circuit as Tiffin did not need or run a ground for the closet lighting.

The repeater module was fastened to the closet wall as seen in the below photo. A switch will be installed near the repeater to allow for turning off the repeater when the coach is not on the road.

