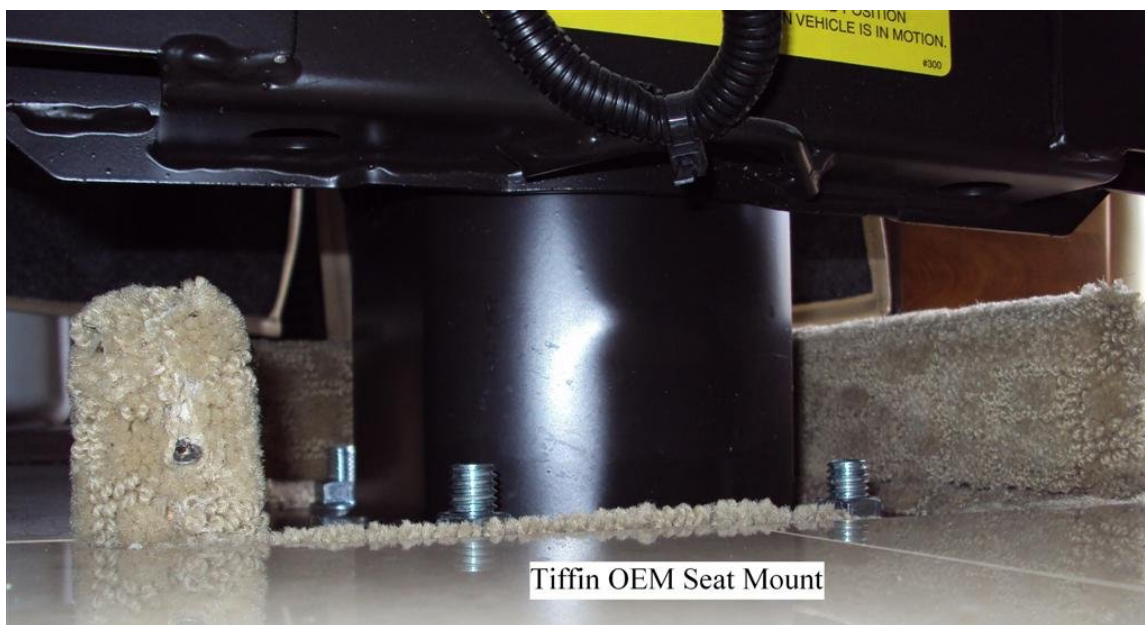




## 2010 43QGP Allegro Bus

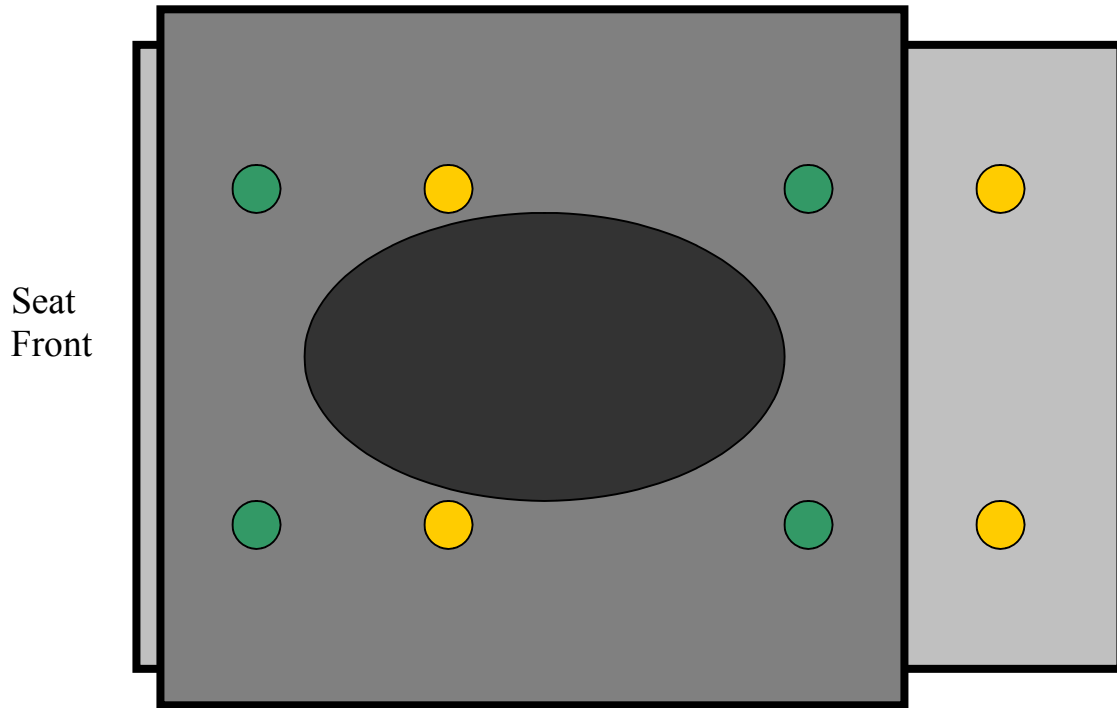
4/13/2012

**FIFTY-THIRD - coach modification – CO-PILOT SEAT MOUNT MODIFICATION.** Cathey has a low back problem which causes nerve pain if she sits upright for long periods. In an effort to make her travel easier it was decided to modify the location of her passenger/co-pilot seat. The back pain problem was made worse by the implementation of the newer wider coach door. This problem came about because the wider coach door pushed the passenger seat back further toward the passenger side slide which prevents the back of the seat from being reclined as much as it could be prior to the installation of the wider door.



It was decided to install an 8” wide 13” long 1/4 thick sheet of steel plate (Light Gray Color) between the four chassis seat mount studs which are welded to the floor frame and the regular seat mount which is bolted to the bottom of the seat mechanism. The sheet of 1/4 inch steel was purchased from the local welding shop the seat bolt pattern was measured as 4.5 inches wide by 7.5 inches long. After measuring a decision was made to make the new mount capable of moving 2.5 inches further forward, by moving the seat that far forward it is possible to lay the seat back much further backward than was previously capable to being done.

The OEM chair mount is 9 inches wide by 8 inches long depicted by the darker gray color.



The frame to seat bolt pattern, depicted by the gold color above are the four studs welded to the floor framing by the Tiffin welding shop. The new steel plate is depicted by the lighter gray color it was mounted over the four gold colored studs using four 1/2" 13 TPI couplers. After the couplers were threaded onto the studs the 1/4 inch steel plate was laid over the couplers then the plate was bolted to the couplers using four one inch long 1/2" bolts threaded into the couplers. At this point the new steel plate (light gray) has been attached to the coach floor frame. 1 1/2 inch bolts were installed from the bottom side of the steel plate with the stud end facing upward (depicted by the green circles), nuts were then installed on the bolts for two purposes one to act as spacers in order to provide space between the steel plate and the chair mounting plate to prevent conflict with the bolt heads securing the steel plate to the coach frame, second as a set of four mounting studs for the co-pilot's chair mount to be bolted to.

As can be seen in the following photograph a new wood skirt will need to be fabricated then covered with carpet before it is mounted around the new co-pilot chair mount to hide the seat mounting structure.

The new co-pilot chair mount passed its major test today Cathey was able to ride much more comfortable even after a long driving day for us, an eight hour day.



Crusingator's Co-Pilot  
Seat Re-mounting to  
allow greater reclining  
of the seatback