



2010 43QGP Allegro Bus

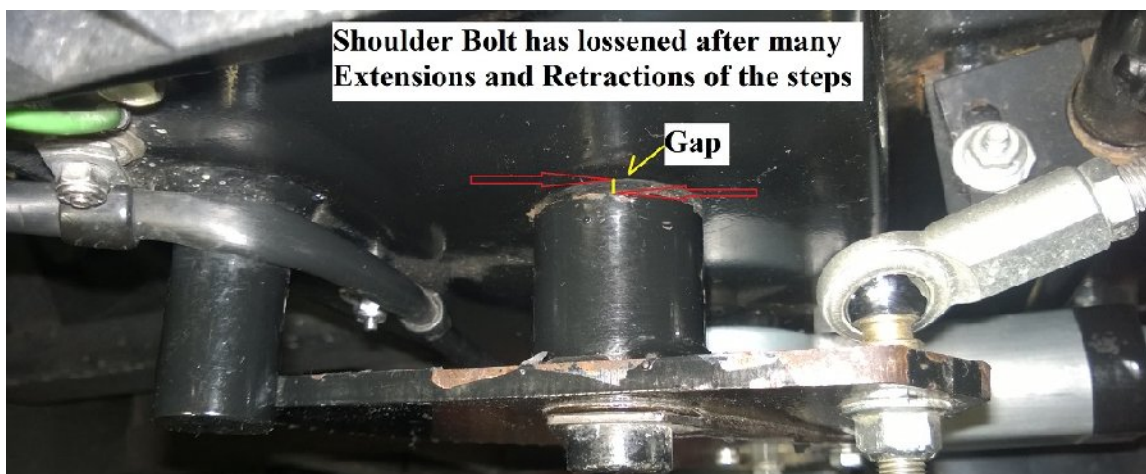
10/19/2015

130 - FYI – COACH STEP SHOULDER BOLT. Our coach has the same problems many other Tiffin coach owners have with the Lippert Industries “Coach Step” brand of entry steps.

I’ve written other files about step motor problems this file will be about the SHOULDER BOLT used as a pivot point for the steps to open and close. All of the Coach Step steps used by Tiffin have the shoulder bolt, after the steps have been assembled the step manufacturer tack welds the threaded end of the shoulder bolt to prevent the bolt from working itself loose over time as the steps are extended and retracted.



The problem many owners have or will have, the tack weld breaks as shown above when that happens the shoulder bolt will slowly work itself loose, when the bolt works loose a gap develops as shown below, as the gap develops the operation get nosier then normal if not corrected parts break.



I've gotten to listening for the noisier than normal step operation, when I hear the noises that is my prompt to perform step "Shoulder Bolt" maintenance as shown below.



In past step maintenance Blue Lock Tite was applied to the threads of the shoulder bolt even with the Lock Tite applied the bolt will slowly loosen it may take a year however it will still loosen. The head of the shoulder bolt has a 5/16" Allen socket. The bolt on our steps is tight enough I need to use a piece of pipe 18" long to tighten the bolt. The gap seen in the second photo required a complete revolution (one turn) of the bolt to ALMOST completely tighten the bolt. The bolt should not be completely tightened if the bolt is completely tightened the step (window) motor will not be able to turn the gear opening or closing the step.