



## 2010 43QGP Allegro Bus

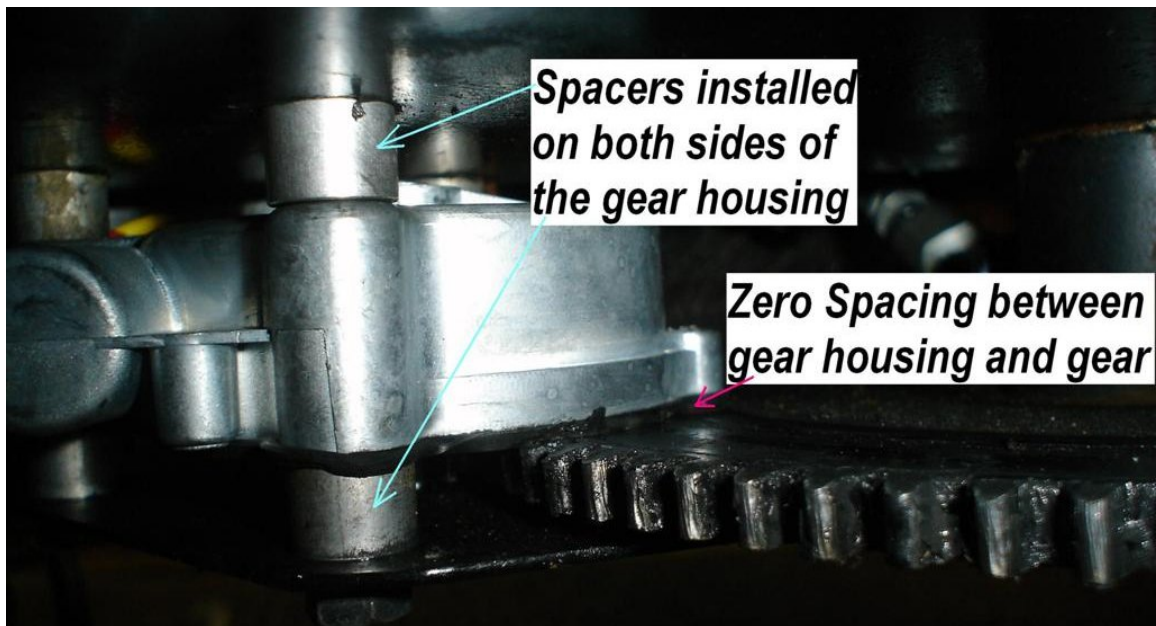
11/7/2011

**31B – FYI - COACH-STEP RV STEPS.** This file is a continuation of the problems with the Lippert Component Company's "Coach Step" RV steps. After experiencing intermittent step operation Tiffin was called. I explained the problem, after explaining what I was seeing Tiffin shipped a new step motor to me. After installing the step motor the steps would not completely retract they would come close to closing but just not the last one inch without assistance.

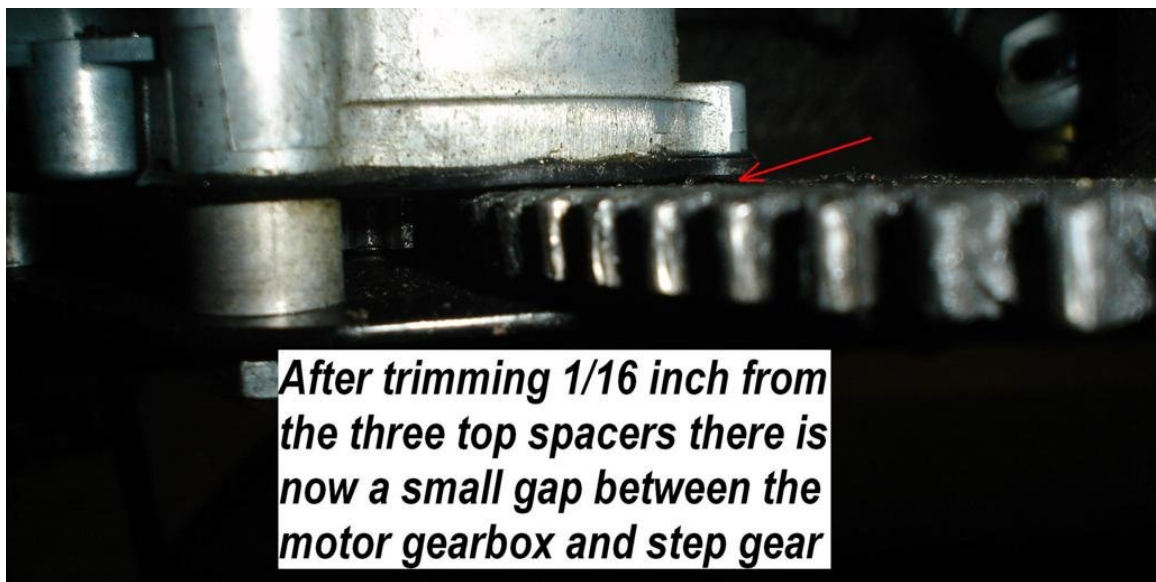
I thought the problem might be related to the motors gearbox and step gear as they were rubbing again each other during operation which was causing some wear on the gearbox and gasket.



The worn portion of the gearbox and the gasket can be seen in the above picture. I thought this might be causing enough drag to stop the motor from completely retracting producing just enough resistance to tell the motors controller to stop due to the increased current load.



As seen in the above picture there is NO spacing between the housing and gear which is causing some damage to the gearbox.



The TOP three spacers were trimmed 1/16 inch then reassembled NOW the gearbox and gear have a visible spacing between them as seen above. However, this modification did not correct the not retracting completely problem.

After cleaning the OEM step motor, it was reinstalled and appears to be working as designed.