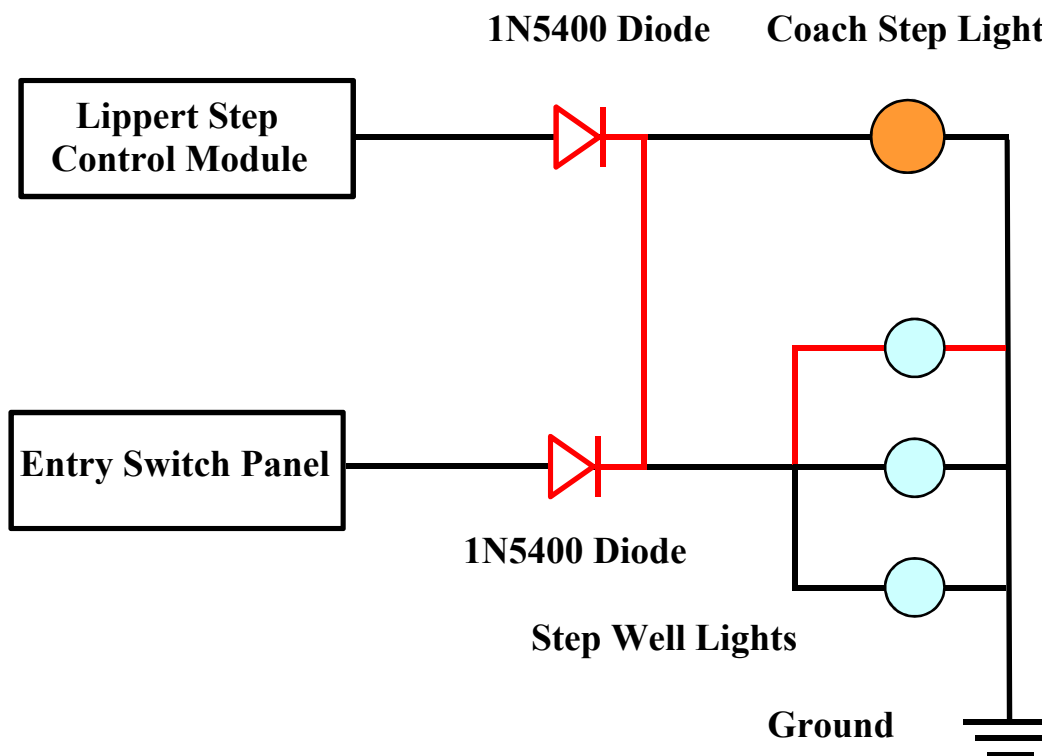




2010 43QGP Allegro Bus

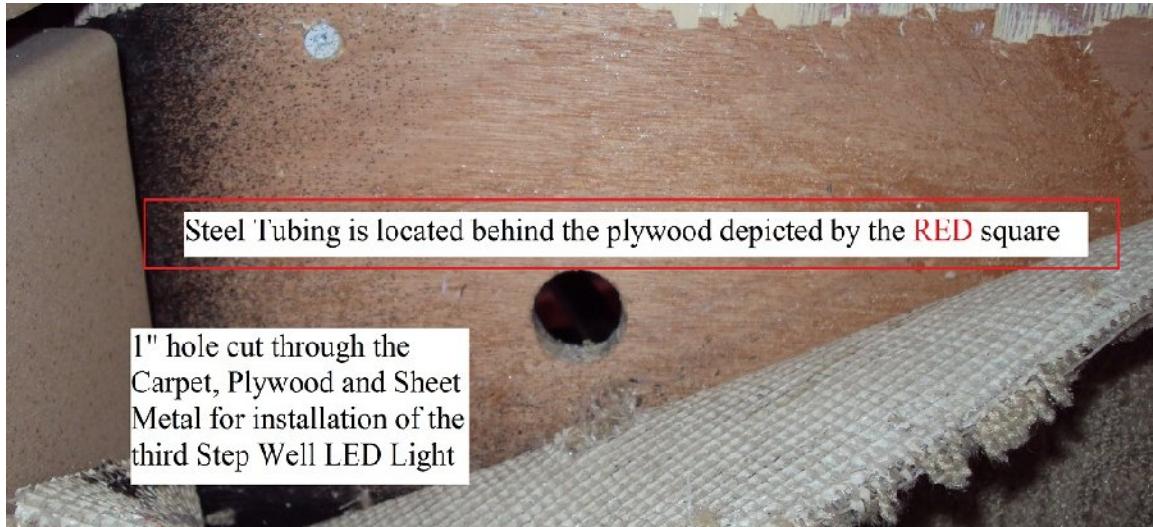
3/4/2014

ONE- HUNDRED -FIRST - coach modification – INTERIOR and EXTERIOR STEP LIGHTING. A recent addition to our 2010 Allegro Bus is this modification combining the Interior Step Well Lighting and the Exterior RV Step Lighting allowing both sets of lights to be controlled from two different locations. After making this modification **EITHER** turning **ON** the “Floor Light” switch **OR** by opening the coach door both sets of **INTERIOR & EXTERIOR STEP LIGHTS** will be turned **ON**.



To make this modification work, two 1N5400 General Purpose rectifier diodes were installed between the control/switch and the light as shown above to block voltage from being back fed to either the Lippert Step Control Module or the Entry Switch Panel from the “Floor Light” switch. After installing the two diodes with the BAR ends of each diode connected toward the lights a NEW wire was connected between the two lighting circuits as shown by the RED line above. Also take note this modification included a third Step Well Light installation for the top interior step.

The third light is depicted by the RED lines and NEW Step Well Light. As seen in the photo there is no outside access above the steel tubing shown below. A 1" hole was cut through the plywood and steel sheet metal to permit installation of the NEW step well LED light on the third step tread.



Before re-installing the carpet, staples plus steel and wood debris were removed. A film of adhesive was sprayed on the plywood before placing the carpet against the plywood then staples were installed using an air stapler.



As seen below, a new LED Step Well light for the third step well tread, the LED fixture was installed as high as possible in the step well based on the step well structure.



Modification materials:

1- LED Step Well Light, Tiffin P/N 5010258, Tiffin's price \$ 12.73.

2 - 1N5400 General Purpose Rectifier Diode, 3 Amp, 50 Volt, \$ 1.99 pair

7' of 18 gauge wire

7' of 1/4" split loom

7' of 3/8" split loom

2' of 1/2" split loom

Several Yellow and Blue Butt Splices

Total cost of this 2FER modification (third step well LED, plus dual control of the Interior and Exterior step lights) was a little under \$ 25.00.