



2010 43QGP Allegro Bus

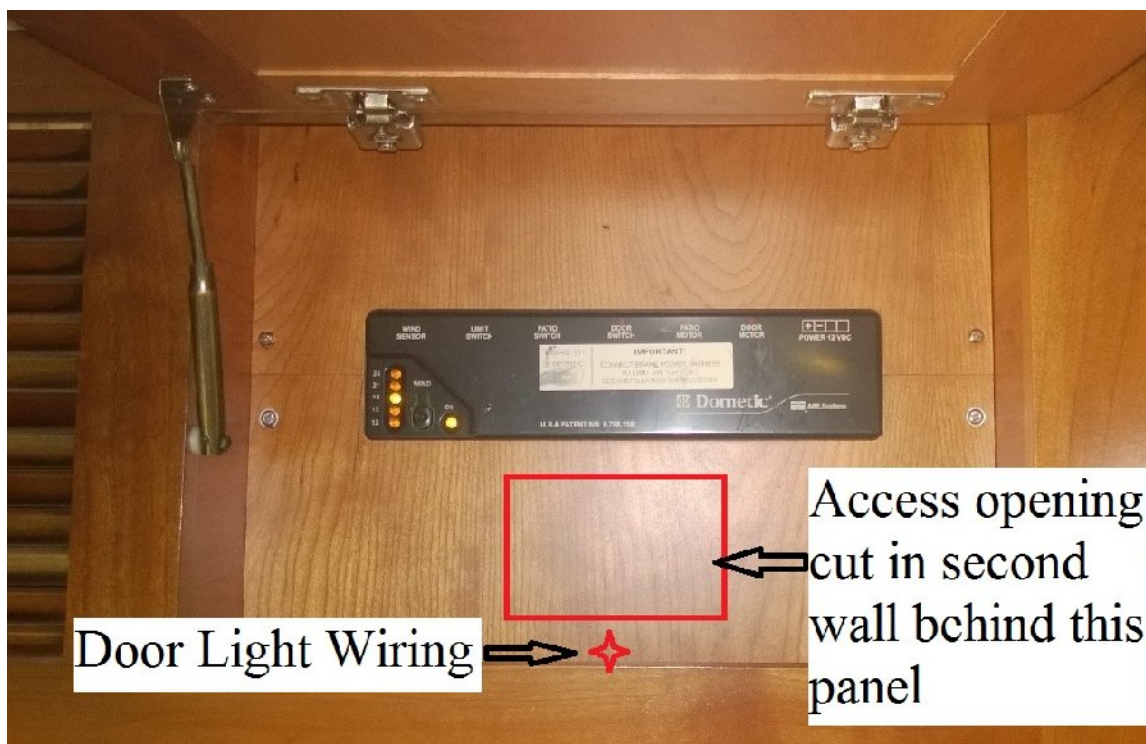
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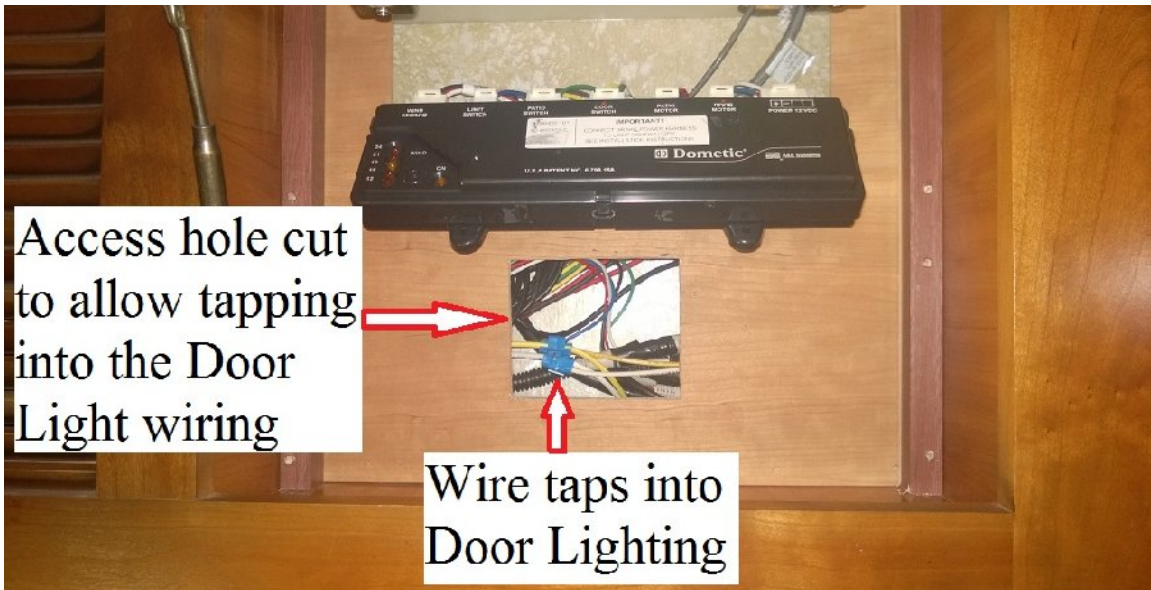
ONE – HUNDRED - ELEVENTH - coach modification – OTD AWNING LED LIGHTING MODIFICATION. In an attempt at keeping our coach up to current coach standards, we decided to install LED lighting on the Over The Door awning.

After discussing the modification with Cathey, we decided to connect the LED lighting wiring to the door lighting circuit. Connecting the lighting in this manner will turn ON the LED lighting by depressing any number key on the door keypad, this way the OTD LED lighting will turn ON along with the amber Door light and the Patio light.

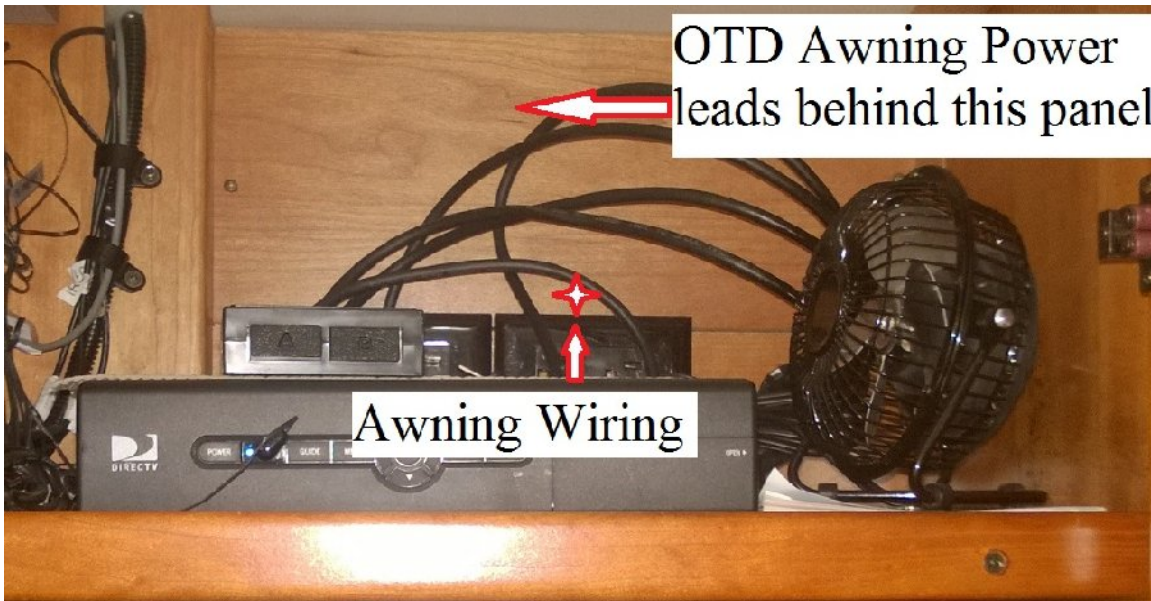
First I needed to locate the wiring for the Door lighting then second I needed to find a way to install wiring thru the coach sidewall in the same area as the door awning wiring.

After some disassembly of the two compartments over the co-pilots seat I was able to locate the wiring for the door light and the wiring for the door awning power where they penetrated the coach side wall. After removing the two pieces of paneling in the awning control compartment as shown below.



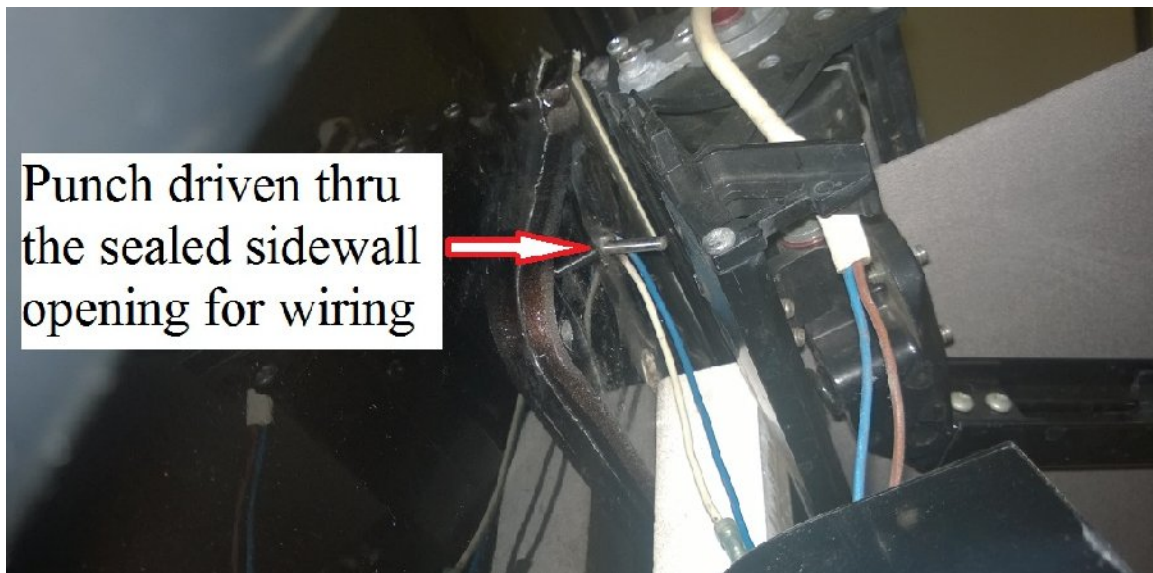


As show in the above photo, an access hole was cut in the hidden panel allowing me to tap into the door light wiring. After tapping the two new wires were routed into the next compartment where I was able to access a hole Tiffin had drilled thru the outside wall of the coach to route the power leads for the door awning. After removing the top half of the panel I was able to access the inside coach wall where Tiffin drilled thru the wall to route the awning wiring.



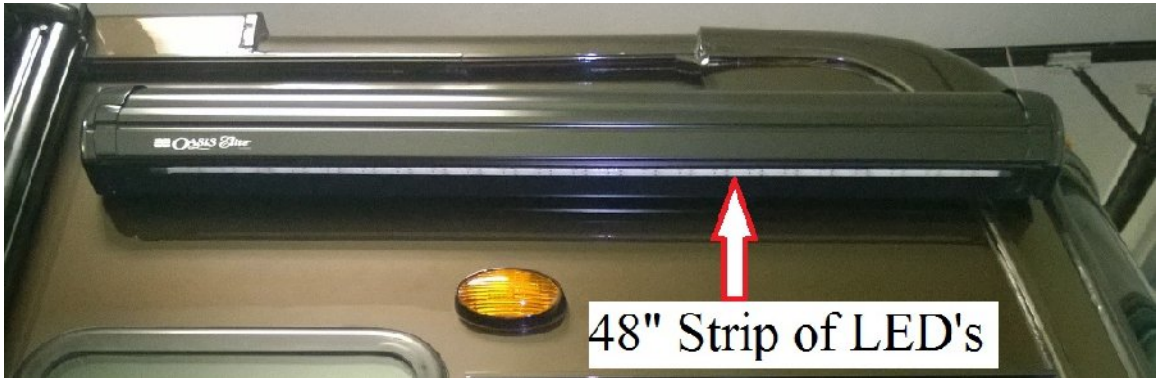


As seen above a pin punch was driven thru the hole drilled in the wall for the awning wiring. Care was taken making sure the punch did not damage the door awning wiring. Tiffin used some form of hard rubber to seal the hole drilled thru the wall. Every time the punch was removed the hole would attempt to re-seal itself.



Finally able to push a twin lead 22 gauge zip wire thru the hole where the wiring was connected to a 48 inch section of high intensity LED lighting. The twin lead zip wire was carefully attached to the top of one set of awning arms with aluminum foil tape to prevent damage to the wiring when the awning was opened or closed.

The 48 inch section of LEDs has 3M tape adhered to the LED strip allowing the strip to be stuck to the bottom of the aluminum awning housing.



As seen below even with the modification 101 – Interior and Exterior Step Lighting turned OFF there is plenty of lighting around the door of the coach.

