

Relocation of the propane switch on 2011 Intestate Lounge

No warranties of any kind are made. Anyone attempting this does so at his/her own risk.

Relocation of the switch from the original location behind the rear wheel to the overhead bin where the other controls are located requires cutting the two existing wires to the switch, and then running two new wires from that area to the overhead bin. The route of the wires is from the top down, from behind the bin control panel, then left, behind the wardrobe, the left behind the shower, down to the floor under the side seat and back to the area just over the existing switch, routing the wires through the existing hole for the drain. You will need a power drill and a 1/2" drill bit and other smaller drill bits, a flat bladed screwdriver and hammer, exactly 35' of 10 gauge wire (red) from Lowe's, and a 20 amp toggle switch (Lowe's part #76457) and Quick Heat Shrink connectors (Lowe's part #128019), black tape, and about 1' of 1/4" polyvinyl tubing (available in the plumbing section at Lowe's).

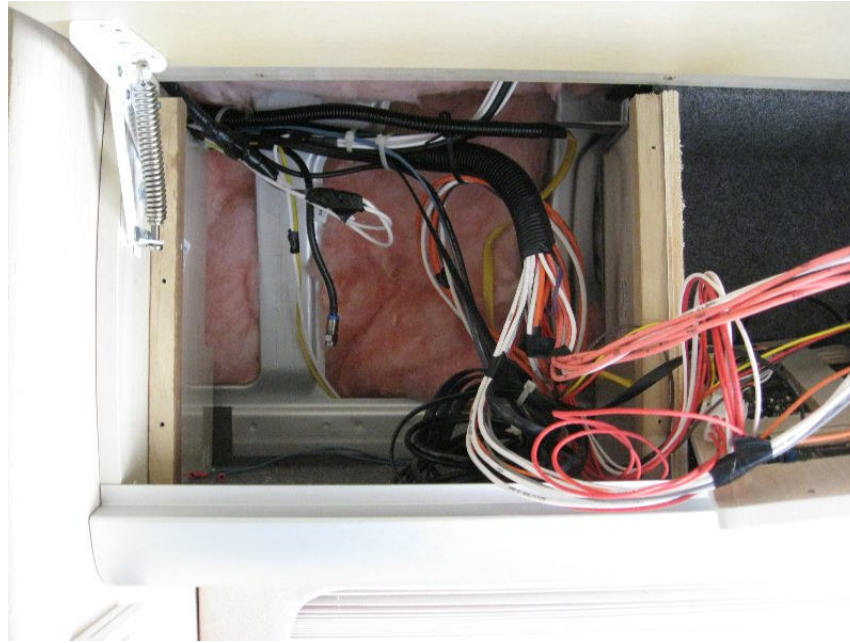


- The original location of the propane valve outside. This area is under a cover that is held on by a flimsy plastic “plug” that keeps the cover in place. It’s only a matter of time before it gets lost. Also, the area is directly behind the rear wheel, and since you have to use both hand to open the cover, there is no way to turn the valve on or off without generally getting your hands dirty. There is no reason the switch, which controls a solenoid valve, can not be more conveniently located, such as in the panel where all the other controls are located.

First, run the wires.



Remove the four screws from the face of the panel.



Pull panel forward, then up, then forward from the bottom to remove it. Place it in the bin to the right. Do not remove the wires from any of the controls.

Remove the six screws from the felt backing.

Note the front screws are longer than the rear.

Pull down the backing to expose the area where

The wires will go.

Push the wires from the compartment to the right to the left, and then down behind the shower.



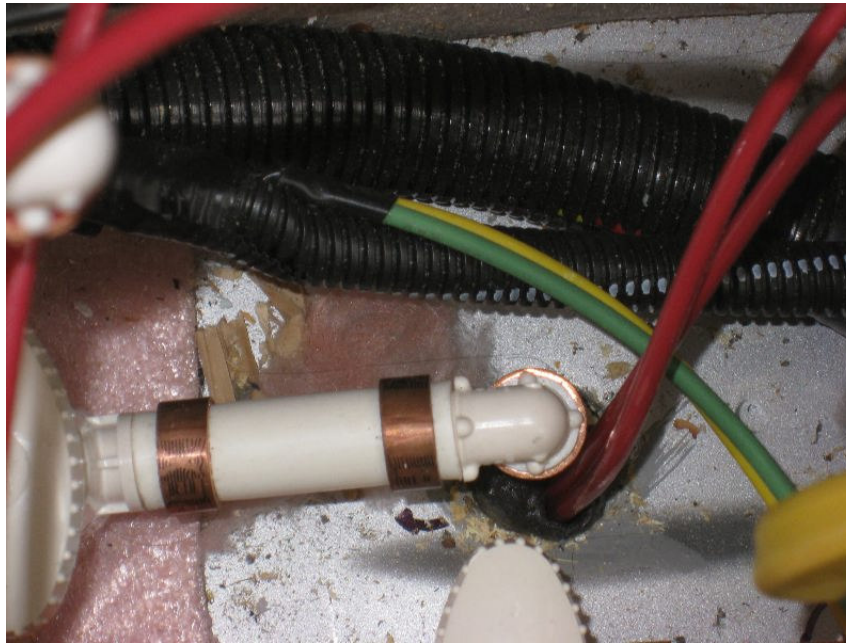
Using your hand, feel the area behind the shower. There is an aluminum panel about 3" from the top. The wires must go in front of the panel. Push the wires down to the area below where the access panel is located.



Reach up and grab the wires and pull them down, then open the folding seat, and route them near the wall under the seat toward the area below the cupholder. Use zip ties to secure the wires both behind the shower, in the compartment above the seat as well as below seat.



Pull the wires from under the seat, to the area under the cupholder. Here, the wires are shown after I pulled it. Note they will not come up through the cupholder. You may want to remove the rear couch for the next step.



Route the wires down through the cab floor. You can either use The existing hole next to the water drain, as I did, or drill a new hole.

The original switch is just below this area. I used 1/4" polyvinyl tubing over the wires in this area to protect the wires from the sharp edges of the sheet metal. I also placed black tape on the edges to soften them. Note these wires are hot, so you want to insure that they are protected to keep them from shorting out. Try pushing them through as far from the sides of the hole, and use zip ties to secure them to the drain to minimize movement. You may need to recaulk the hole after placement of the wires.



Remove the old switch by using needle nose pliers.

The valve works by using a hot positive wire to complete a circuit to the valves.

BE SURE TURN OFF THE BATTERY DISCONNECT SWITCH BEFORE PROCEEDING!

Then cut the two red wires and remove the old switch. Keep it in case you later want to replace it.



Connect the two new wires to the old two red wires using crimp connections or solder. I soldered and then used shrink tubing to insulate them, and then zip tied them as far up into the chassis as I could to the existing wire bundle. Also, place the wire as far as you can in the black wire wrap to protect it as well.



Mount the switch. First, measure exactly and mark where the switch will be located on the front. Then use a small drill bit to start the hole. Use a larger bit and then use a 1/2" drill bit. Use care in drilling so you don't mar the laminate surface on the front. Do NOT drill from the back side. Then, place the switch in the hole, and mark the four corners with a sharpie. Use a small drill bit with tape placed 1/4" from the end to be sure you don't drill too far, and drill down 1/4" each corner where marked. DO NOT DRILL IT ALL THE WAY THROUGH THE BOARD! Then use a flat bladed screw driver to gouge out about 1/4" down through the board. It is very soft so use great care. Take your time and take out just enough so you can mount the switch using the retaining ring and no more.



Remount the panel and clean up.