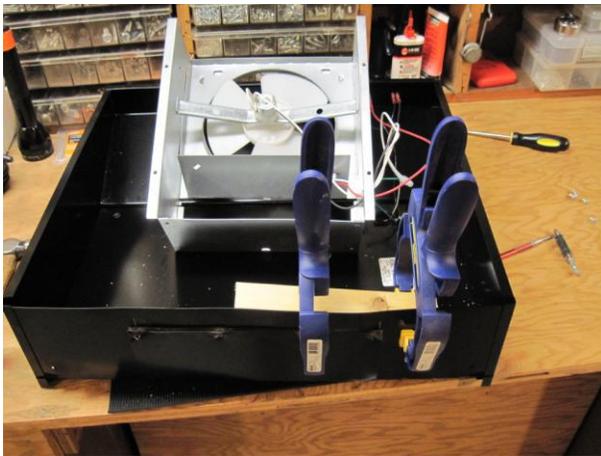


INSTALLING RANGE HOOD VENT

Before beginning determine if there are any wall studs that will interfere with installing the vent. The easiest way to find studs is to look at the outside wall of the camper on a cool morning. Condensation will usually form where the studs are. Take a picture and/or mark the studs with a dry erase marker.

Begin by removing the range hood assembly. I removed the fan box so all I had to work with was the hood itself. On the rear of the hood there should be a metal plate covering the opening where the duct will go. The plate will be held in place by spot welds. Place a block of wood behind the welds and clamp in place. This will reinforce the flimsy sheet metal. Drill out the spot welds with a bit just slightly larger than the welds.



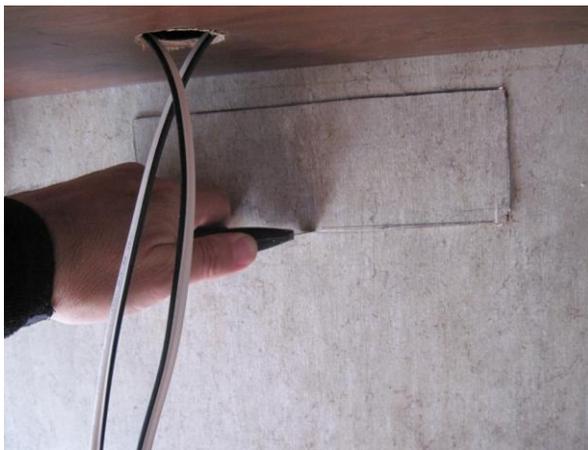
After drilling out the welds remove the metal plate. You may have to use a chisel to break the welds free.



If one side of the hood was mounted directly against a wall you can simply slide it back to the wall and mark the wall using the opening as a guide. If not, reinstall the hood.



I used a combination square to mark the corners and then drew the outline of the opening. I then used a utility knife with a new blade and cut out the opening. If you are still not sure if a stud is present, run the utility knife along the top part of the cut out. If you hit a stud, stop. Worst case...you have a cut in the wall that will most likely not be visible when you reinstall the hood and fan. Once cut through, carefully remove inside wall piece.



Use the utility knife and a putty knife and remove the Styrofoam. It is not very dense comes out with little effort. It is messy though.



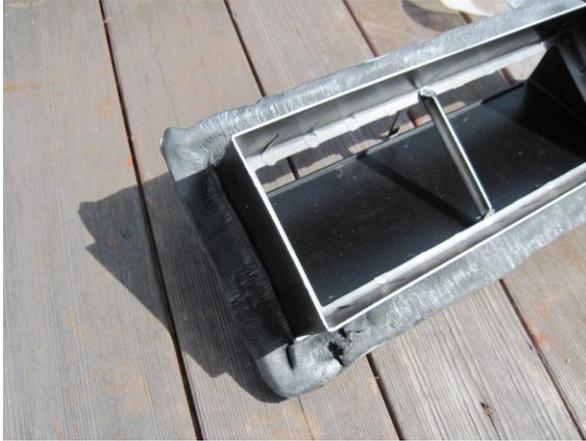
With the hood installed, measure the distance from the back of the hood to the wall and cut a 3.25" X 10" rectangular duct that length. Test fit the duct to make sure everything is lined up correctly. With a small bit, drill a hole through to the outside in each corner of the cut out. Outside the camper put masking tape over the outline to help prevent jagged edges when cutting out the opening. Now cut out the opening from the exterior side.



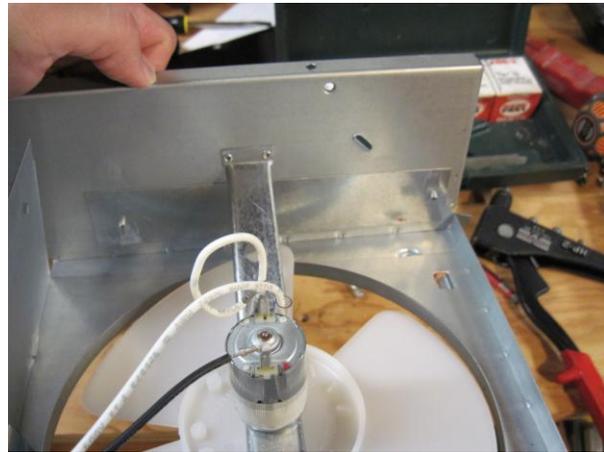
Test fit the vent and enlarge hole if necessary. Also test fit duct piece.



Once you are certain all parts are ready for installation, line the vent edges with butyl tape. Place the vent in the opening and secure with stainless steel screws. Carefully trim excess butyl with a hobby knife. I later sealed vent with RV sealant.



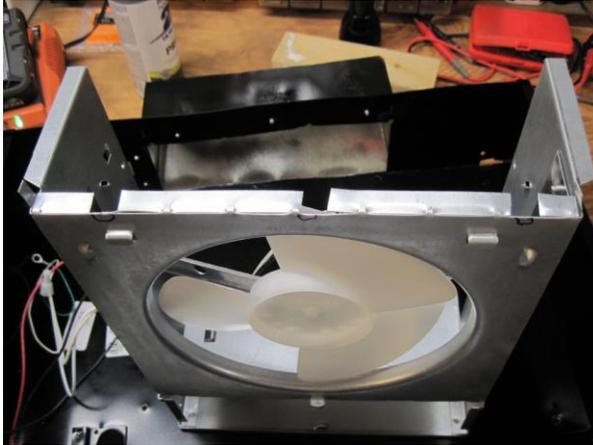
The fan housing I have had two holes on either side to vent the air it had drawn in. I covered these with sheet metal strips and riveted them in place. HVAC tape will work also.



Attach the duct piece to the back of the hood with pop rivets.



If there are any gaps, cover them with HVAC tape. Reinstall fan housing to the vent hood. Reconnect power wires and then reinstall hood pushing ductwork into vent housing.



Parts list for this installation

(Yours may be different)

- Ventline 10 1/2" x 3 3/4" RV range vent.....Etrailer.com
- 3.25" x 10" Half section rectangular duct.....Home Depot
- HVAC foil tape.....Home Depot
- Butyl tape.....Local RV dealer
- #10 x 3/4" Stainless Steel sheet metal screws.....Home Depot