

Front Doors (each):

4 CLD square, outer skin

1 CLD square, cut into smaller pieces, inner skin

1.5 CLD rectangles (to cover holes)

1 CLD Squares, cut into smaller pieces, trim panel

8ft Extruded Butyl Rope for double line

8.1 ft² MLV

8.1 ft² 1/8" CCF

3 Velcro Strips, adhesive 2 sides

Tesa Tape





You will need to remove the plate behind the handle to access an 8mm bolt





Remove the little cover in the grab handle to remove one 8mm bolt





There are two 6mm bolts on the bottom of the door to remove

Lift up on the door at this point to remove the door card.





Remove the vapor barrier



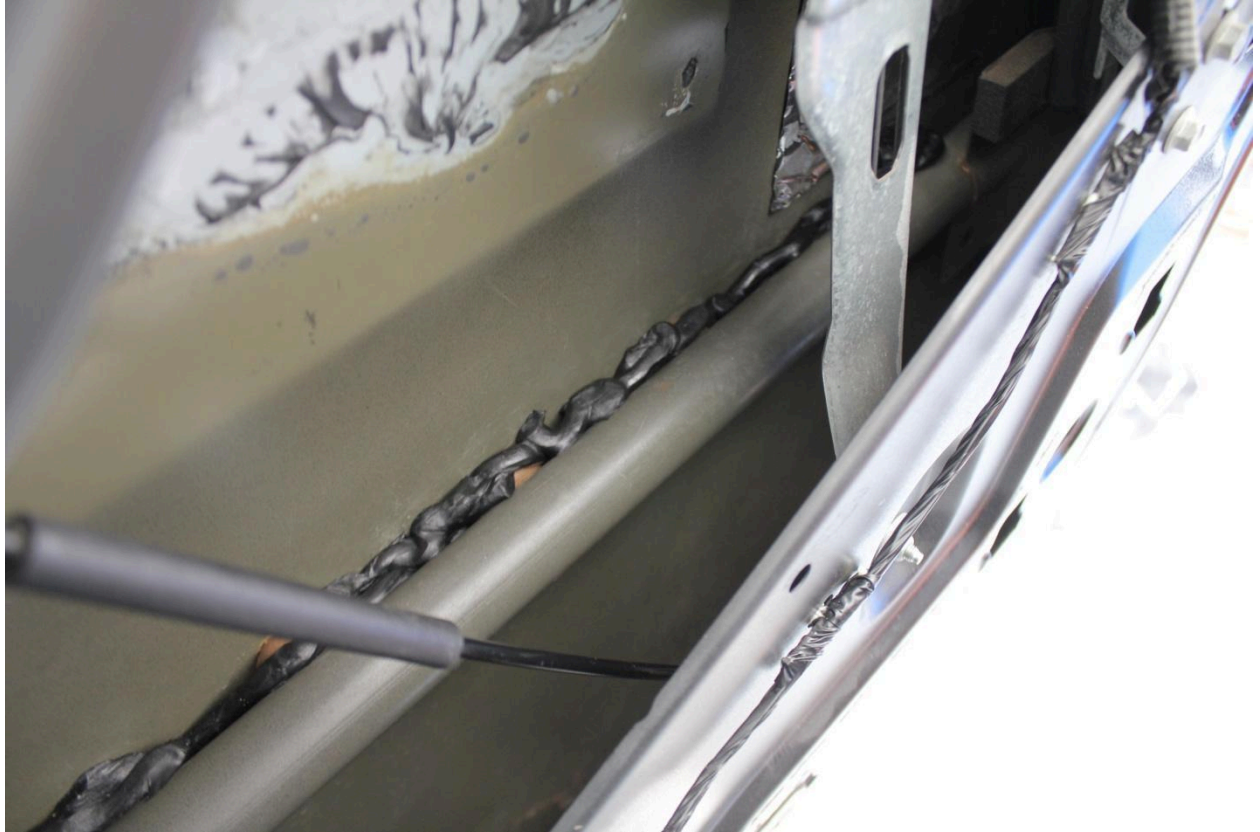


The factory CLD was falling off the two front doors so it was removed.







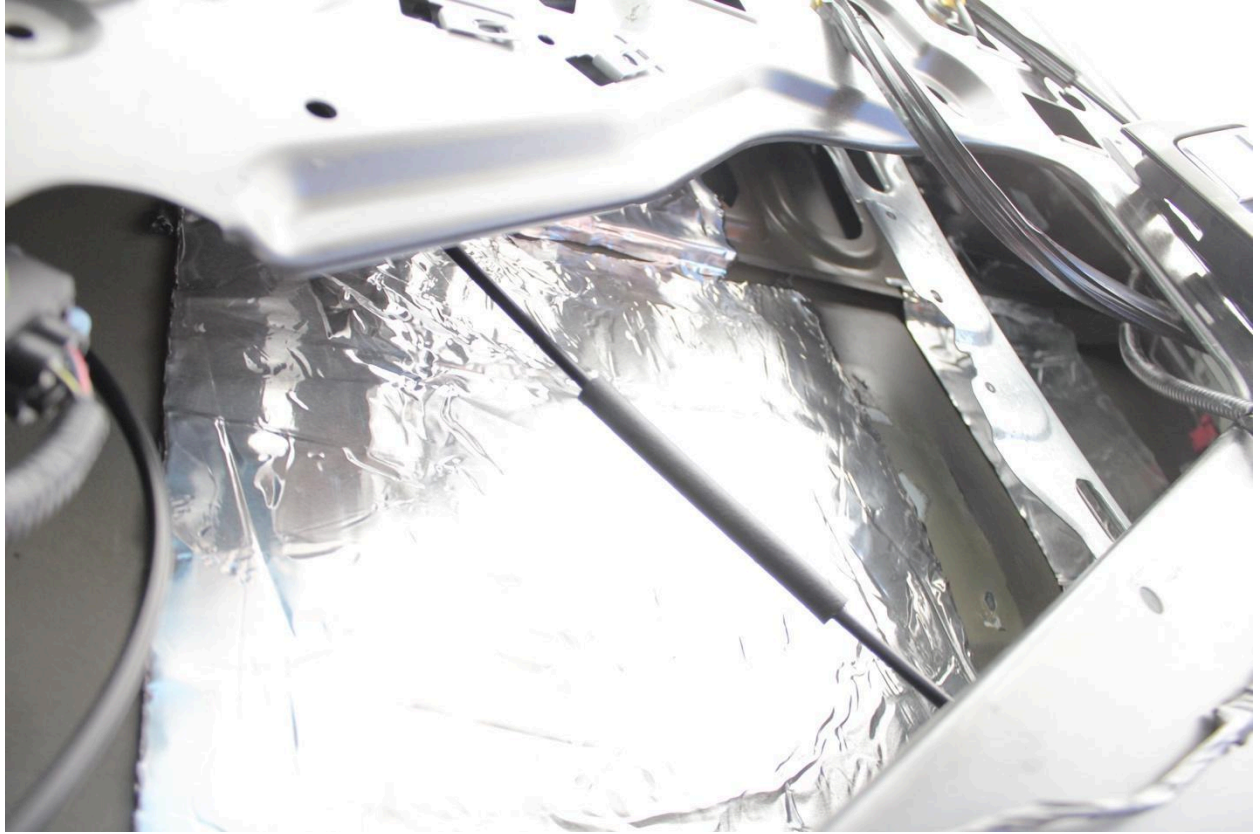


A double layer of Butyl rope was added to the crash bar and outer skin. A double layer because there was a fairly big gap and I had plenty of extra.



CLD Squares were added to the outer door skin.







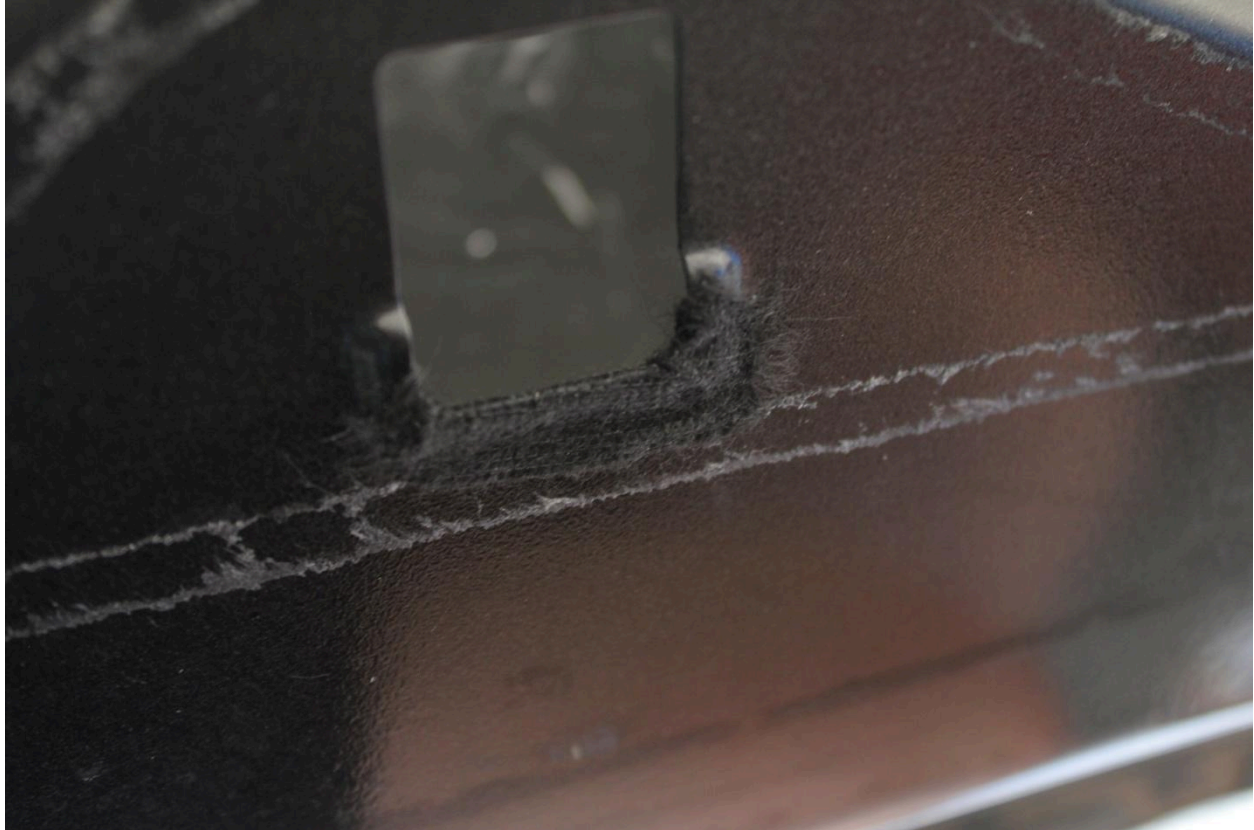


4 CLD squares were used to deaden the outer skin



The outer skin now has some of these clips that like to wiggle and move so they got TESA tape to stop the noise.





Ford also uses little hooks instead of those pine tree clips so I put some TESA tape on the bottom of those so they wouldn't rattle. Don't use too much or you won't be able to get your door card back on.



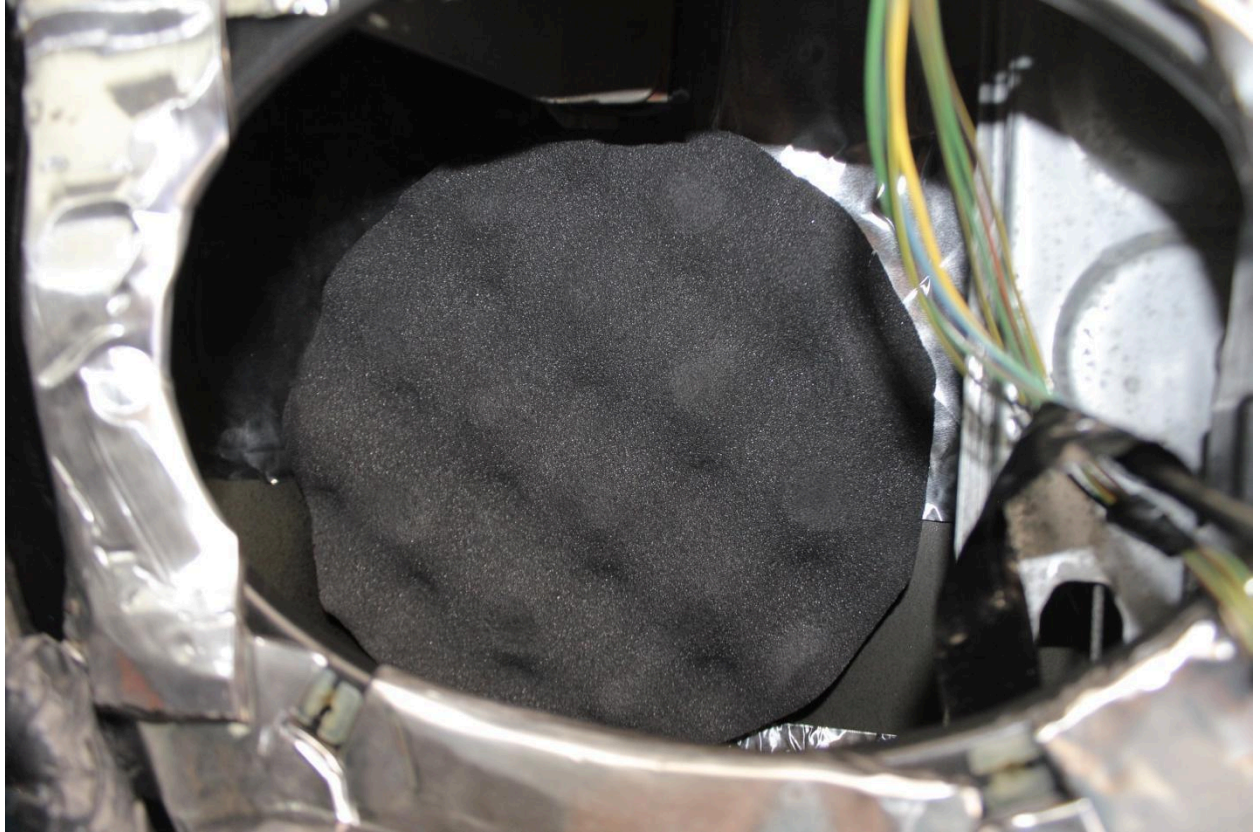
I then used 1 CLD square on the outer skin and 1.25 CLD rectangles



Ford's are notorious for having these buttons rattle...my driver side is terrible. So I removed them and TESA taped them so it was tighter. Careful not to break the plastic. I used a very small screwdriver and patience.







The installbay fast ring foam for rear wave deflection

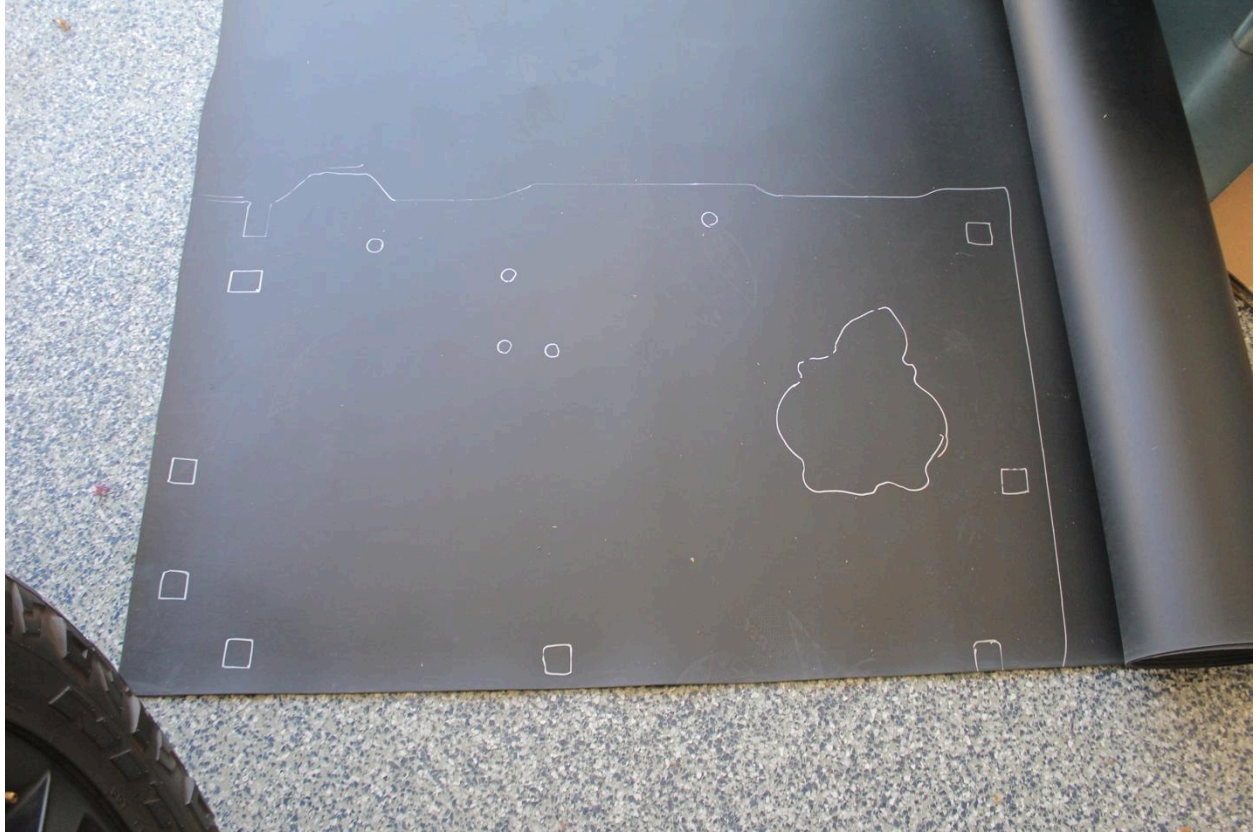


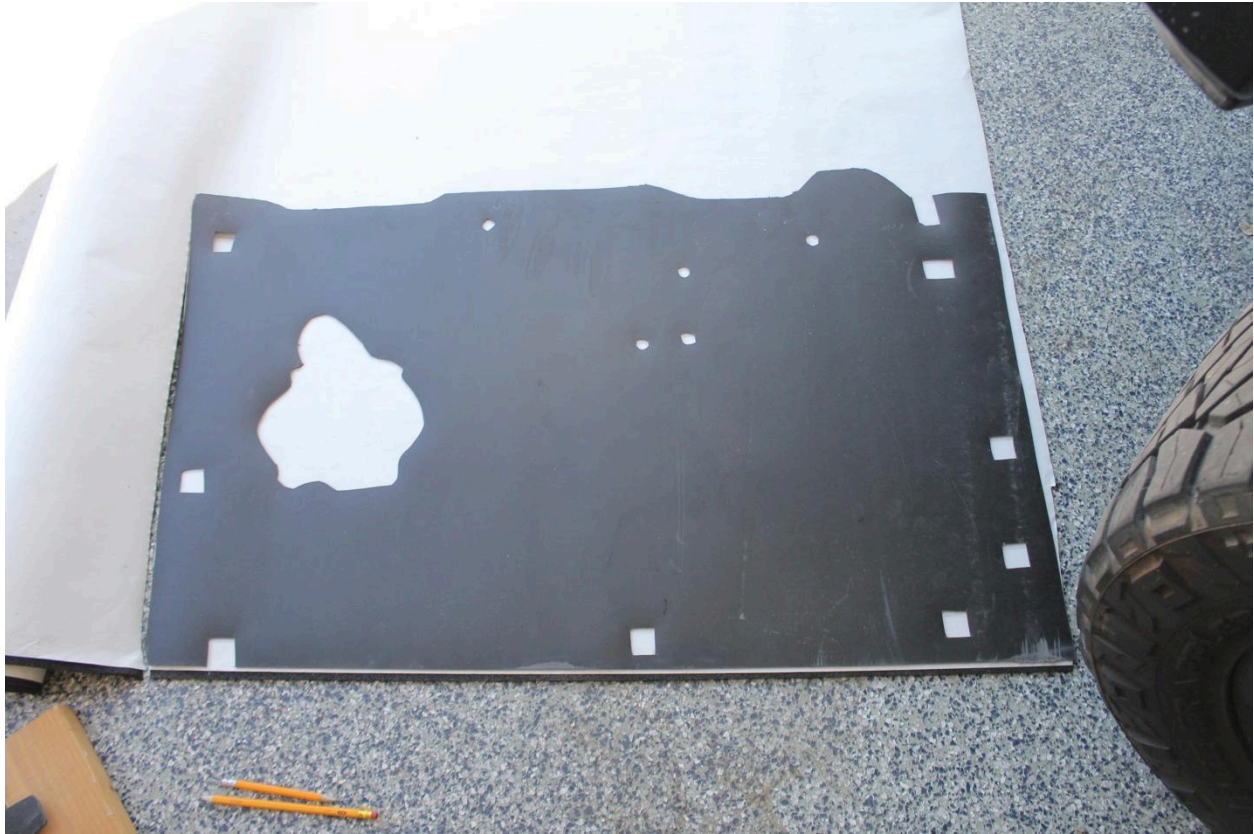
The door card had 1 CLD Square and probably about .25 rectangles. The factory fiber mat has some weird clips so it wasn't removed. But you can lift it carefully and place some CLD under it.

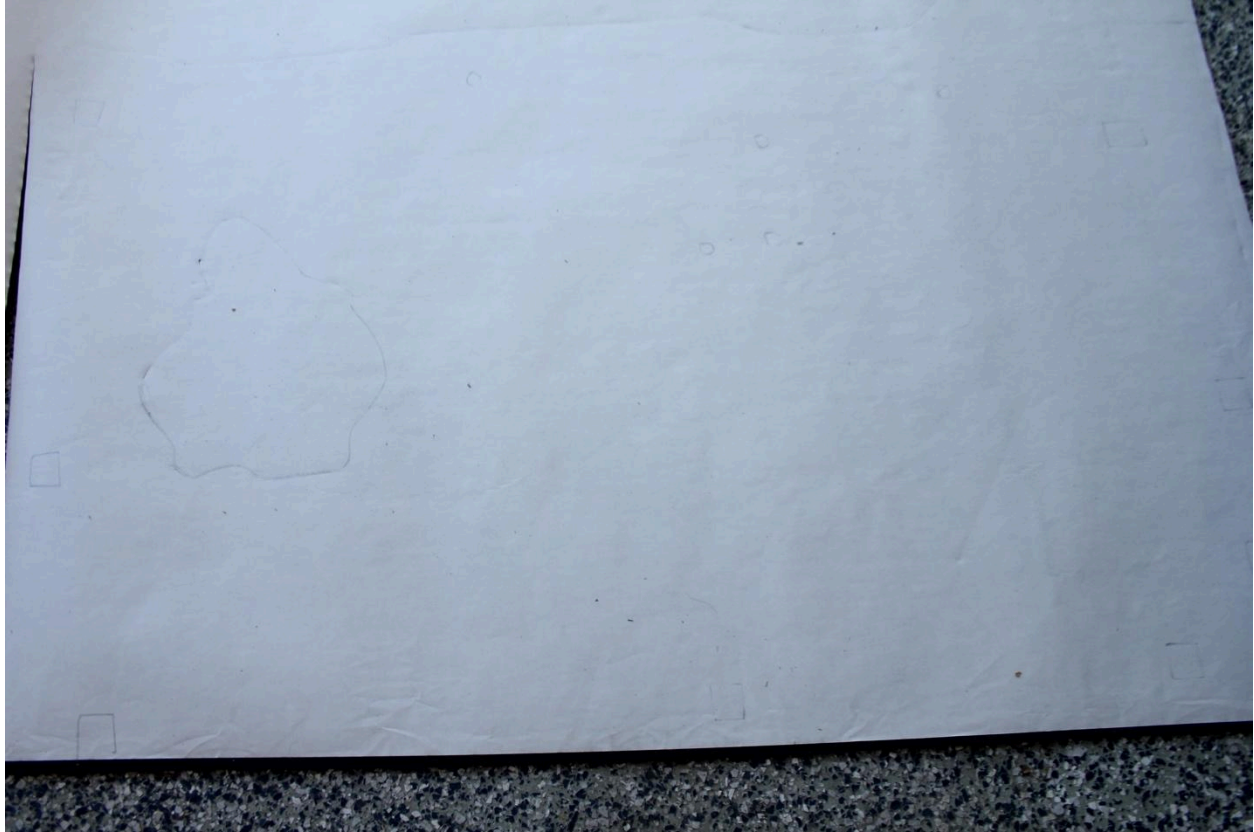




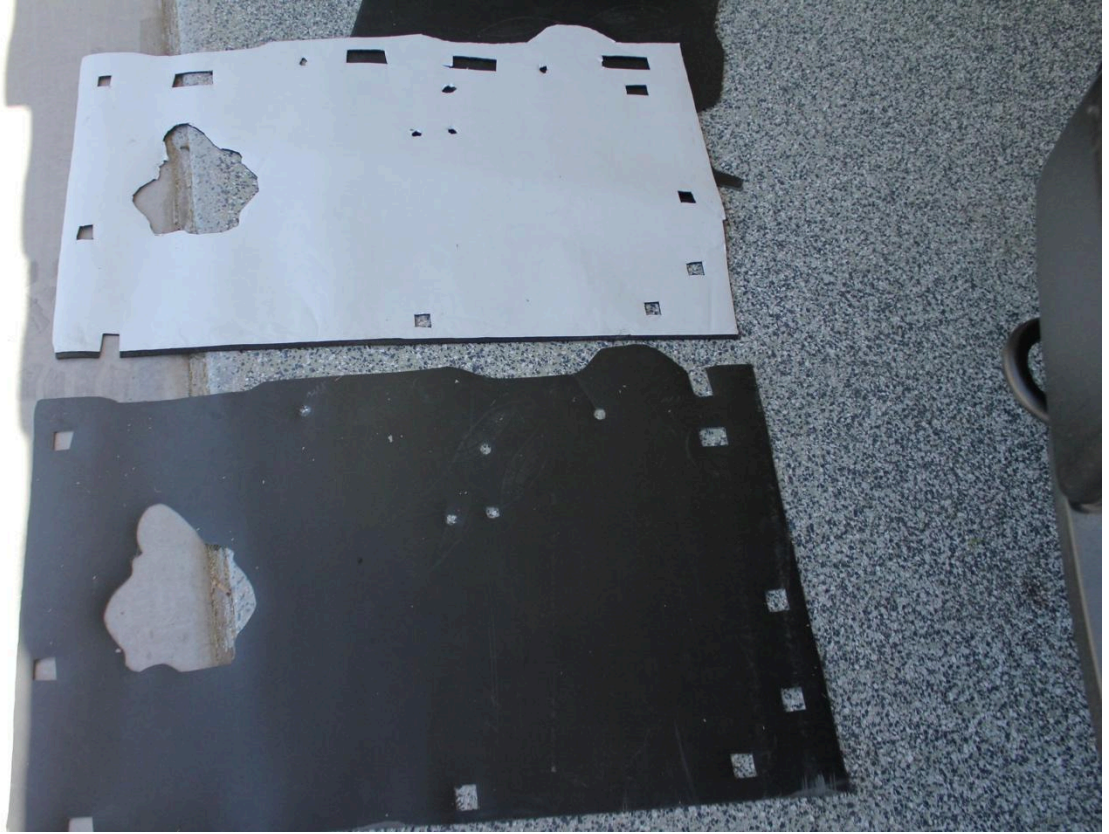
Ford was nice to give a full vapor barrier so it made cutting out the MLV/CCF a breeze. You could just trace it. Make sure to cut it a little bit smaller or the door won't go on around the edges. Also make those squares a little bigger than traced because those are where the hooks go and they are tight and can't go on with the MLV/CCF too close.







Hard to see but traced on the CCF backing paper. Use a ball point pen to have it show up better. Make sure to cut out some spots on the CCF for Velcro to attach to the vinyl.





Attach some Velcro.



Check fitment on door. Once good you can add back the vapor barrier (you will probably have to use some butyl rope to get it to stick again. I had to. I used about 1 ft stretched out thinner around the outer edge.



Install your speaker of choice. I used installbay silicone fast rings, we will see how well they work. They seem nice.



Rear Doors (each):

3 CLD Square, outer skin

1 CLD Square, cut into smaller pieces, inner skin

1 CLD Rectangle (to cover holes)

1 CLD Square, cut into smaller pieces, trim panel

5 ft Extruded Butyl Rope

5.4 ft² MLV

5.4 ft² 1/8" CCF

2.5 Velcro Strips, adhesive 2 sides

Tesa Tape



Similar with the rear door. Two 6mm bolts on the bottom, 1 8mm bolt in the door handle. No bolt under the grab handle but there is one at the top right.



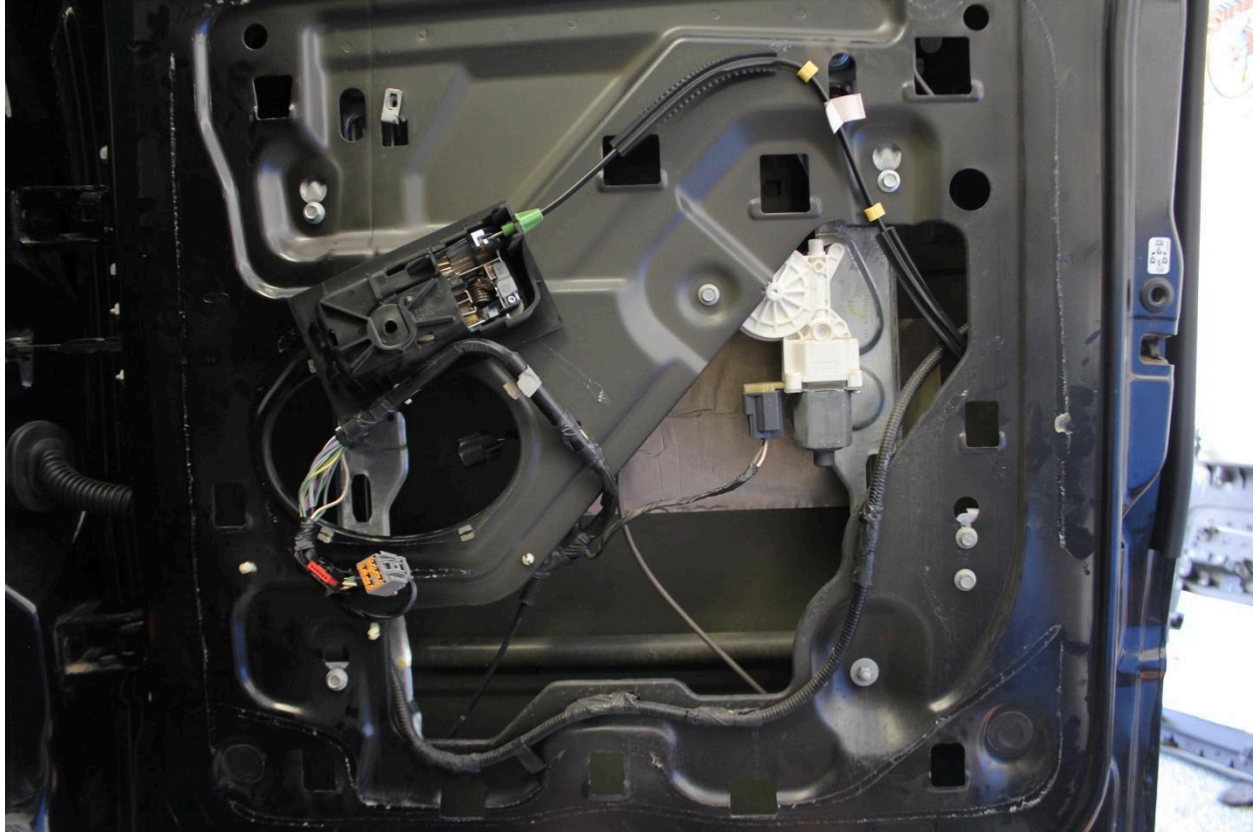


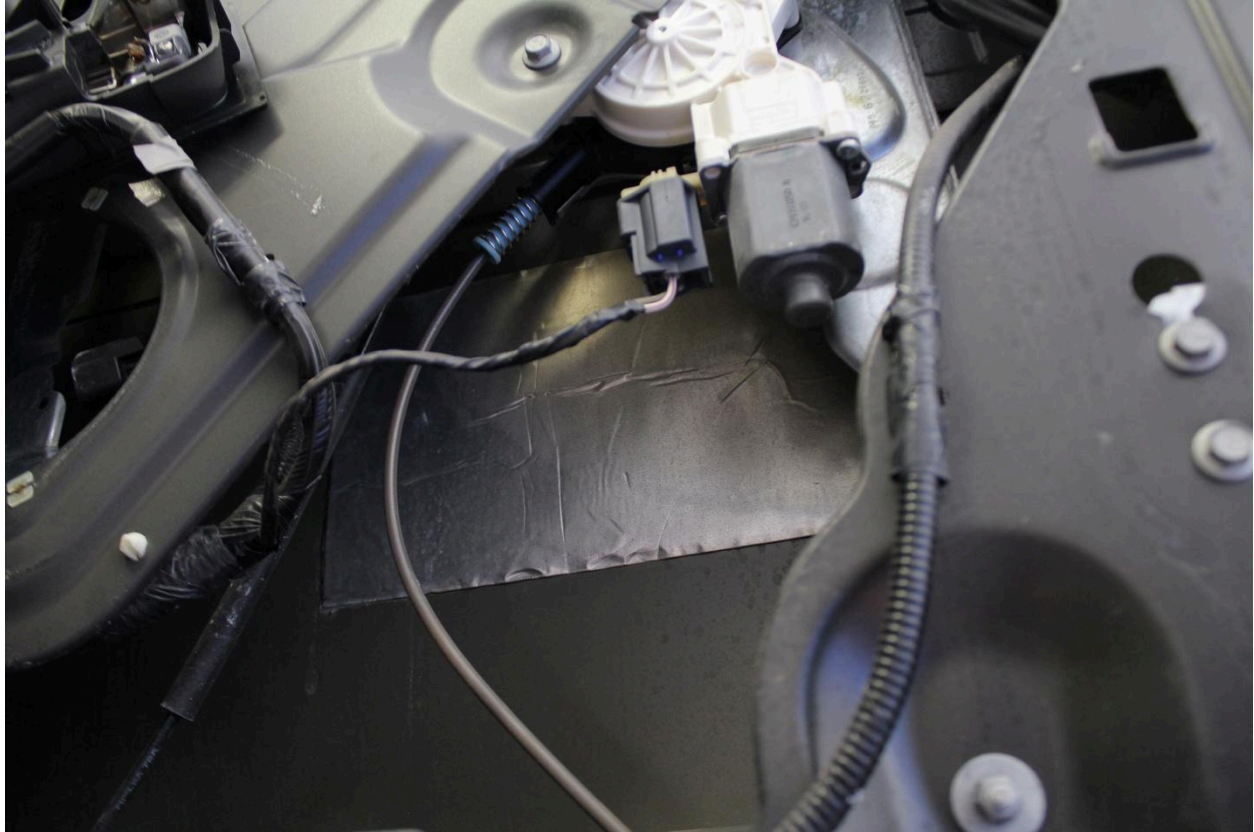


Once all of those are removed, lift up on the door card.



Remove vapor barrier.





The rear doors factory CLD was still decent. I made sure to roll it back on to ensure and anything that went over it was made sure to have 3 sides attached on the actual door.



Double strip of Butyl Tape for the crash bar





3 CLD squares on the inner skin

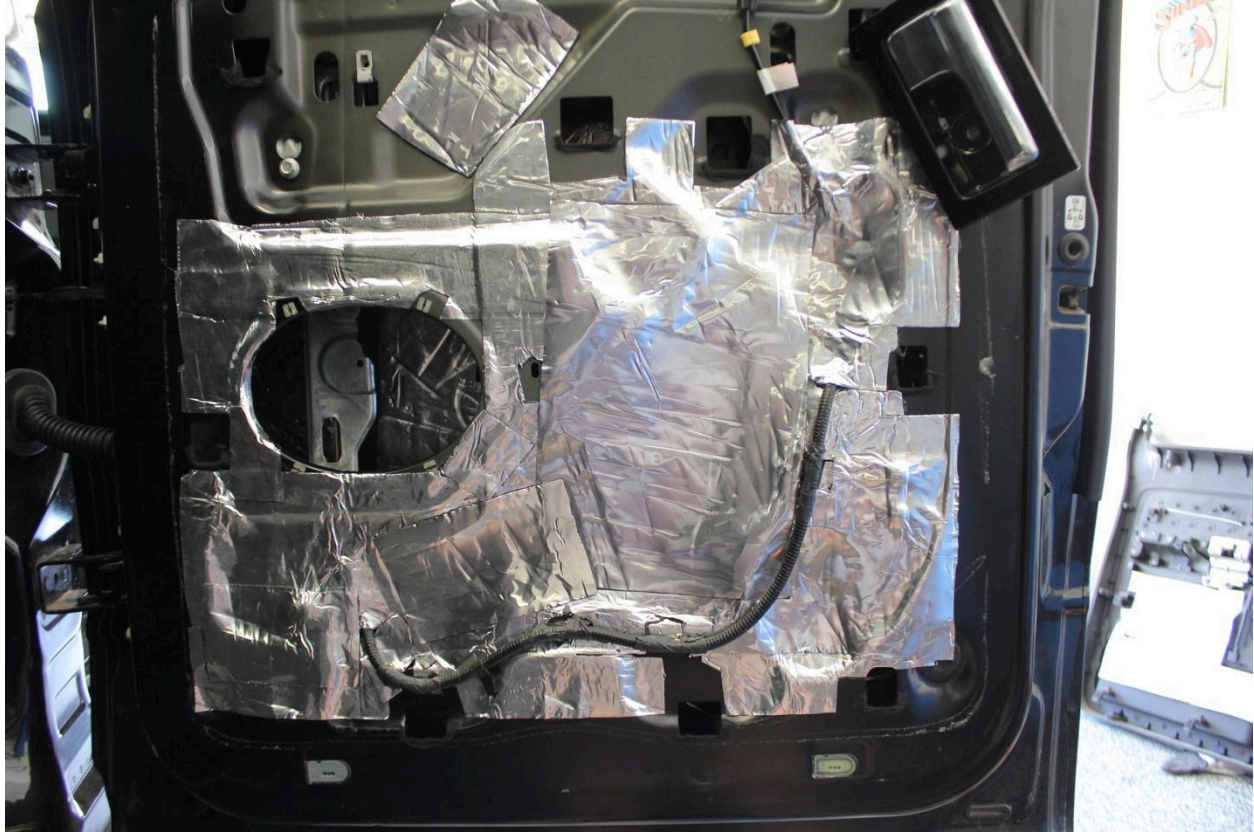








TESA tape around the hook area again.



Outer skin received 1 CLD square and 1 CLD rectangle to cover the holes. (Side note: Make sure to have all wires that need to be outside there before final sealing...otherwise you have to go back and fix that.....)

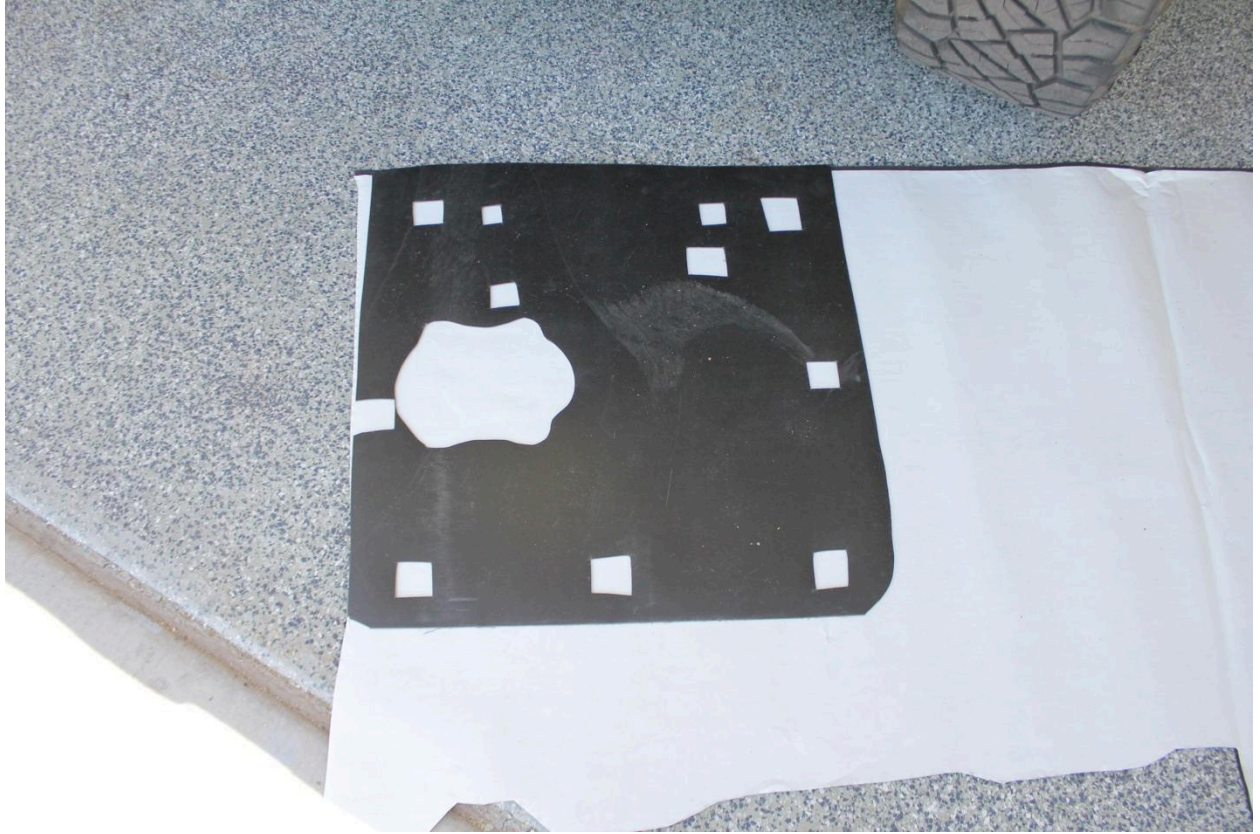


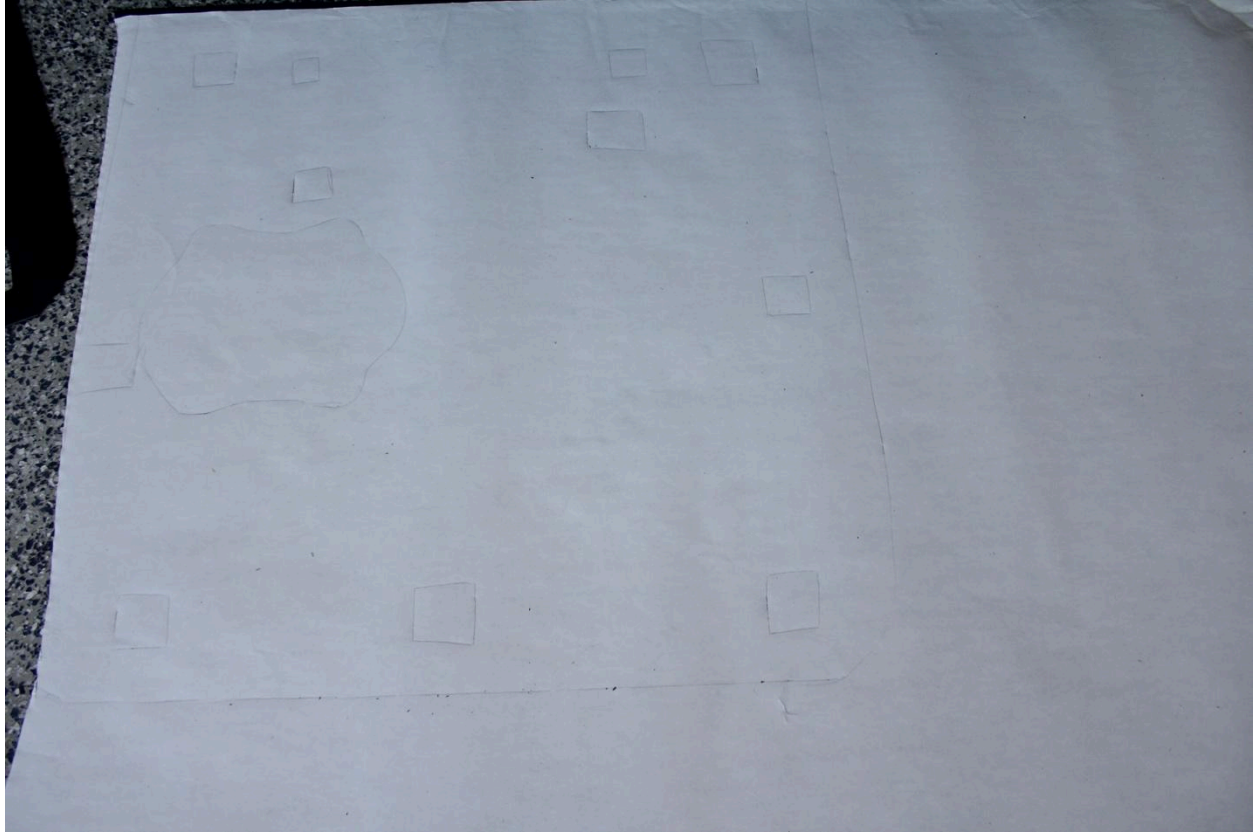
Outer card received 1 CLD square. The speaker area also needed to be trimmed to fit a 6.5" speaker. It was cleaned up better than this with a razor blade knife that cut through the plastic very easily.





Trace the vapor barrier on the MLV and CCF







Check Fitment and fix any issues.



Place some new Butyl rope on the vapor barrier and reattach to the door

Back Wall:

3 CLD Square

9.8 ft² MLV

9.8 ft² 1/8" CCF

4 Velcro Strips, adhesive 2 sides

Tesa Tape



Remove 8 seat bolts





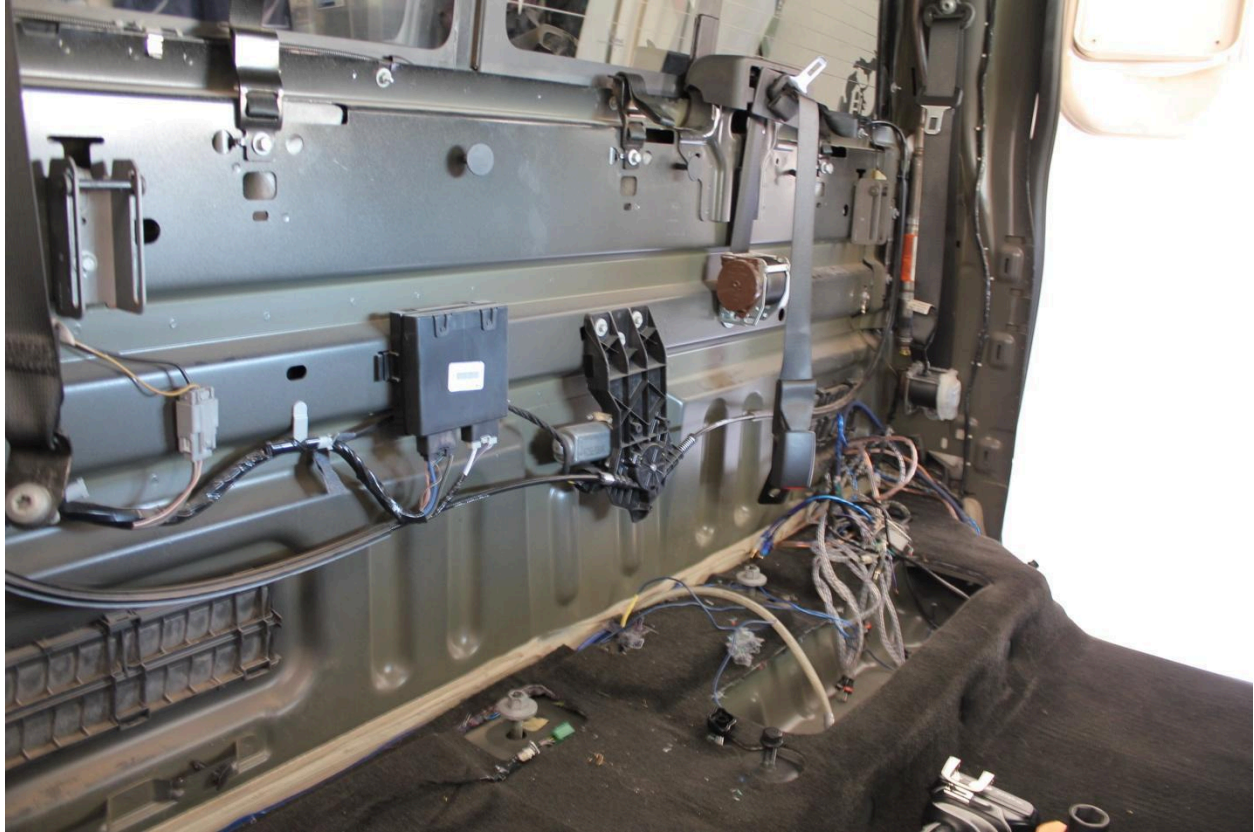


Remove back wall carpet so you can access the rear seat bolts. This is just pine tree clipped in place.



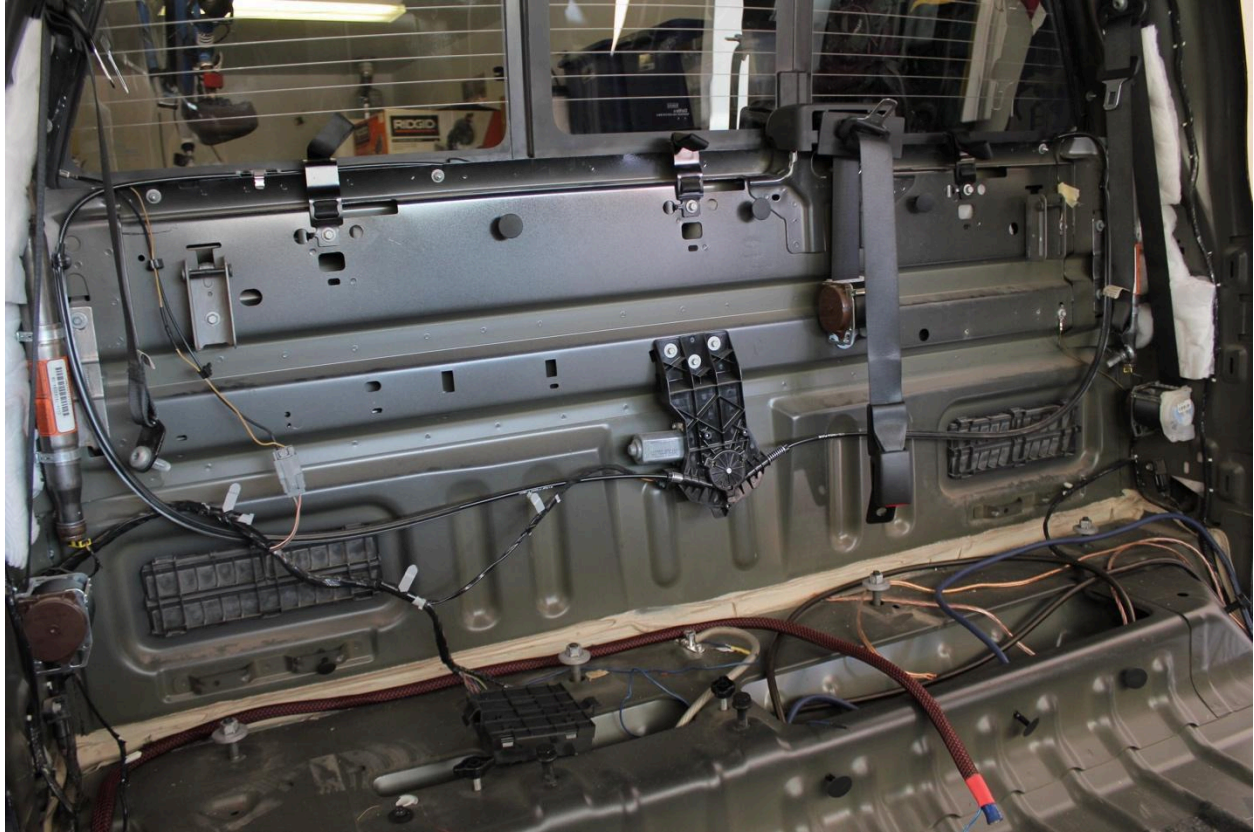
Remove seats

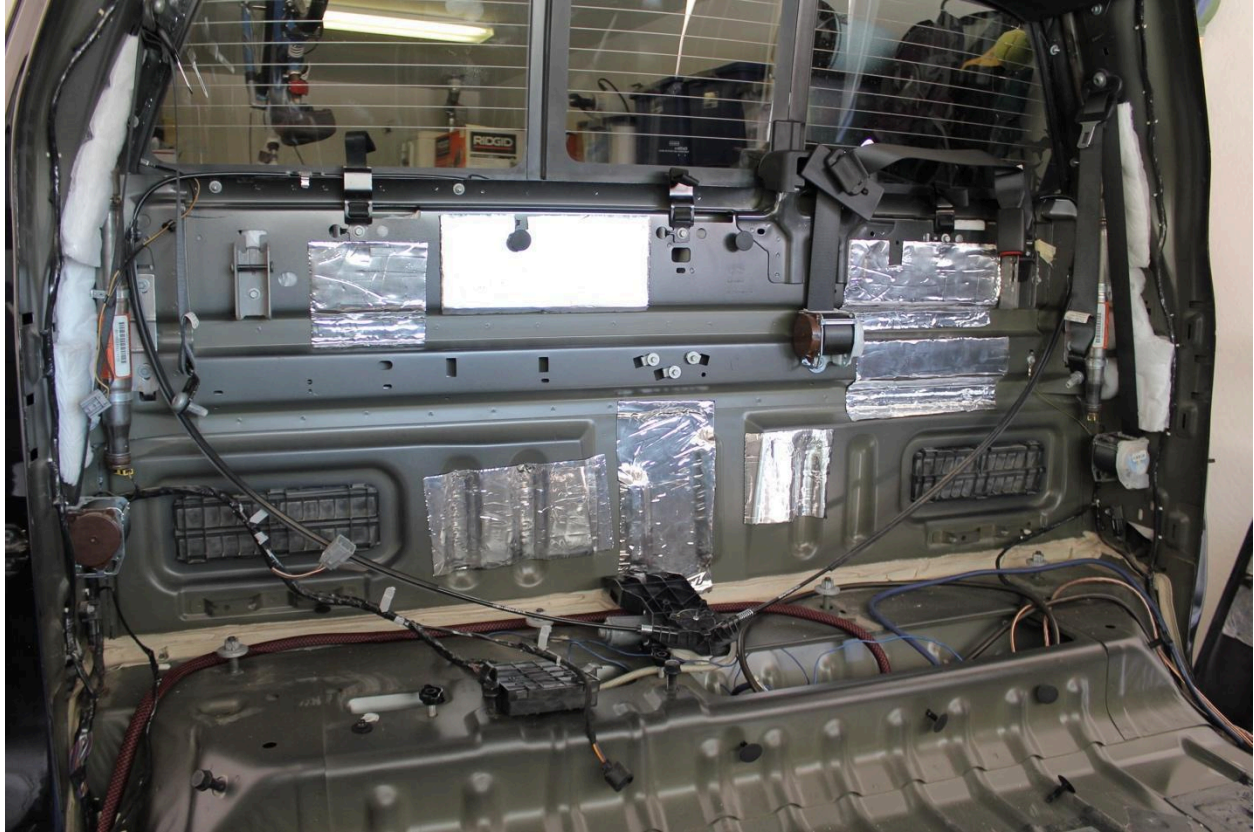




Ignore all of the mess of wiring...it will get cleaned up later.





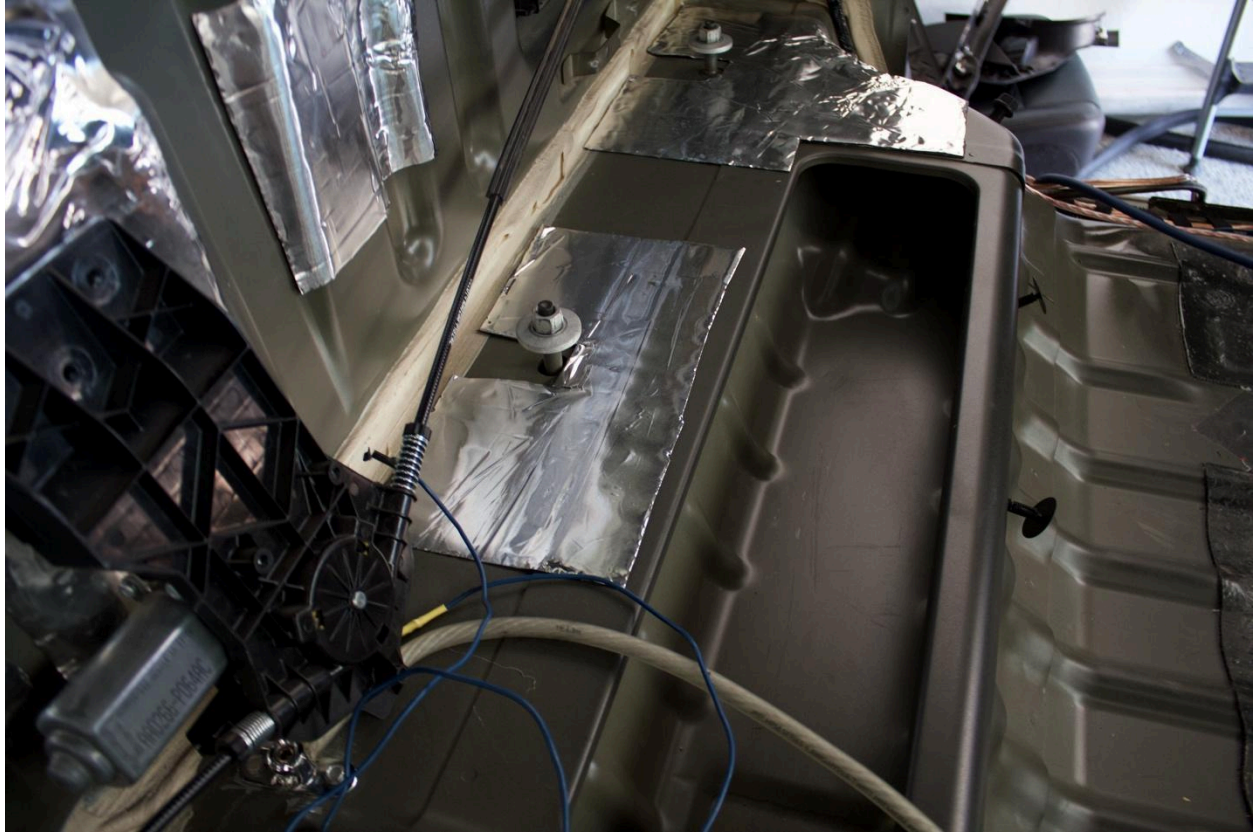


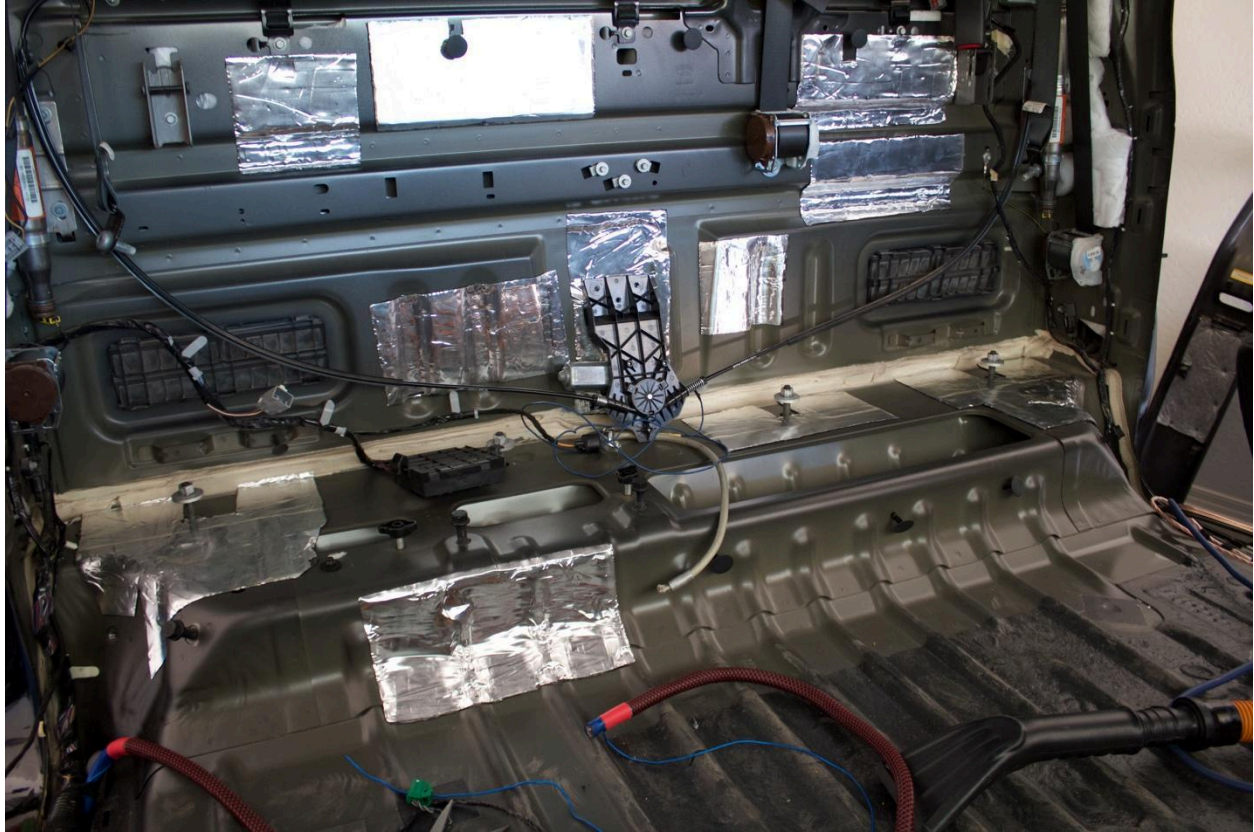
Since the back wall has a lot of shapes in it, it isn't very resonant so just 3 CLD squares for it.





The seat platform also received 3 CLD squares



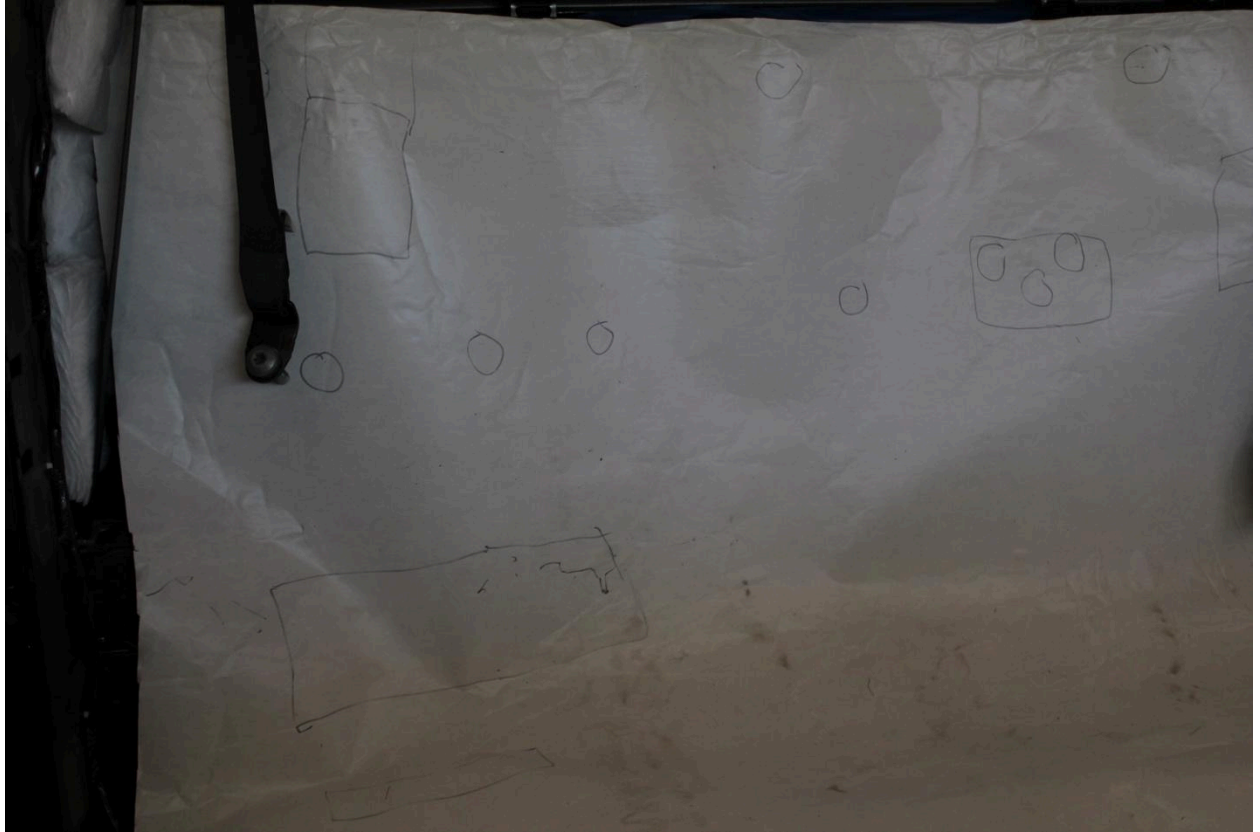


If you notice in this picture, I removed all of the wiring from the back wall. This will be placed over the MLV/CCF to help hold it up and for easier access in case I need to do something with this.





The back wall does not have an easy way to trace so you can either do MLV or CCf. I choose to trace the CCf since it was a little easier to work with.





Once you have it traced lay it over the MLV



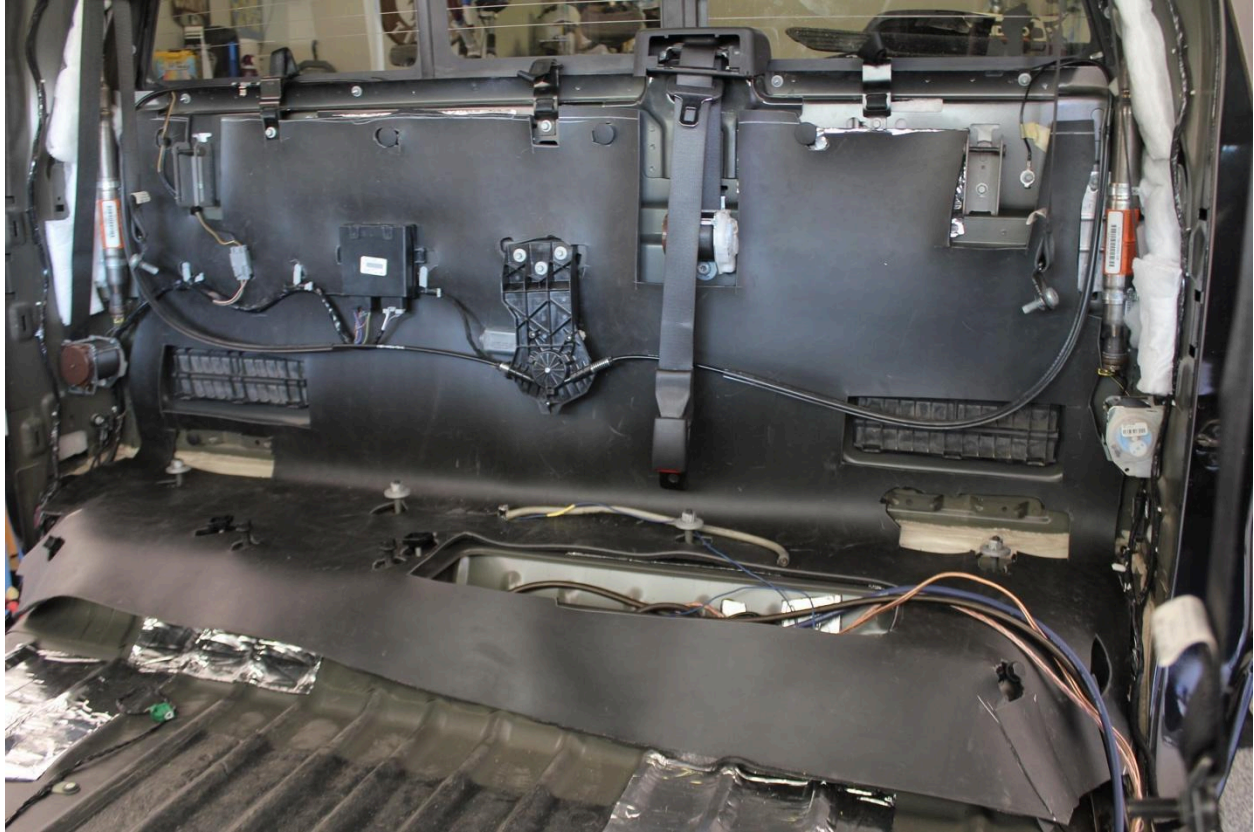
I choose to make one piece of MLV/CCF to cover the back wall and the seat platform. Less seams the better. The corner of the platform though was difficult so you will have to cut it and then lay a piece of vinyl tape (using HH-66 vinyl cement) to glue it on.



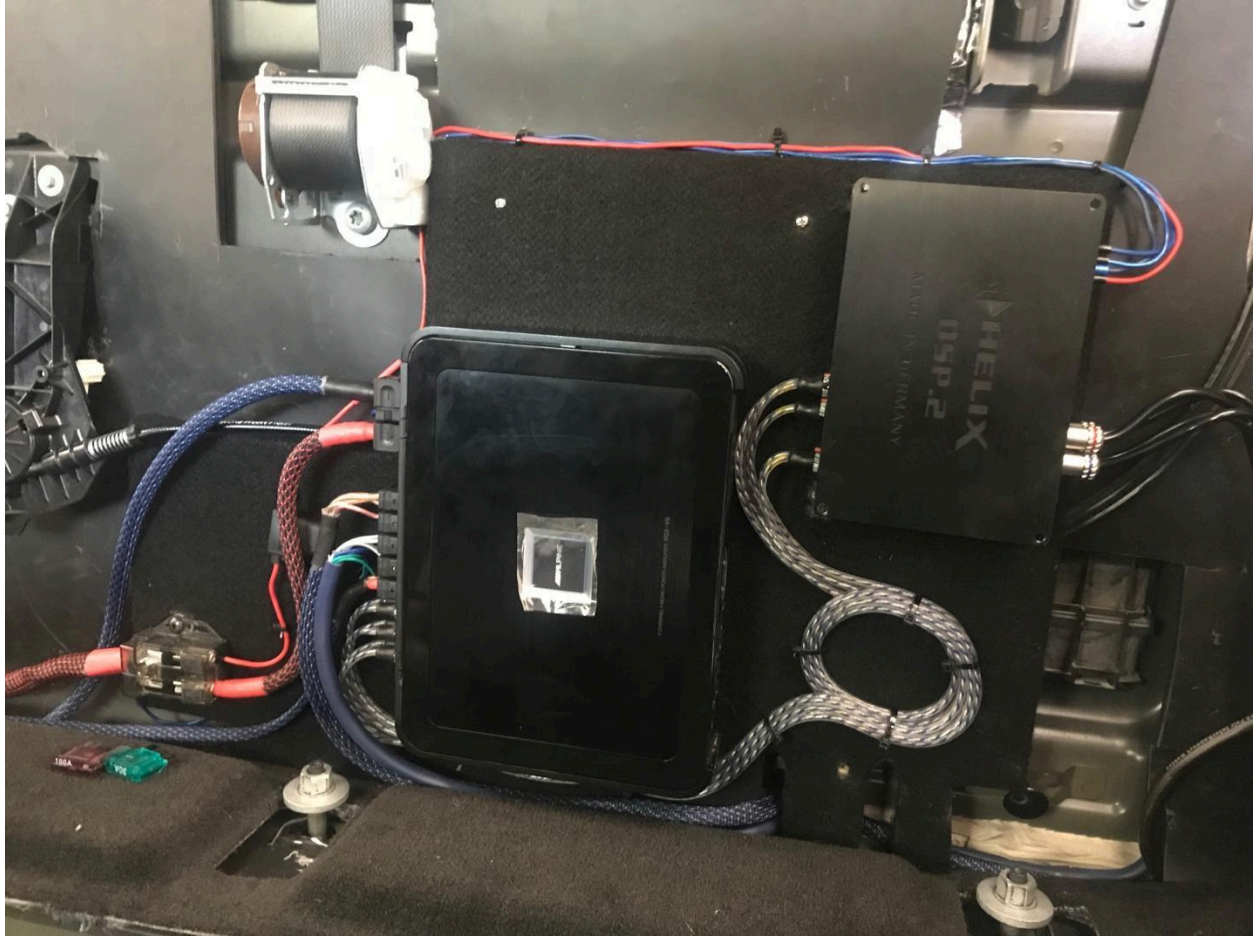


I traced the piece of tape so I knew where to glue. The glue, when dry, is not sticky so it isn't a big deal if you glue extra.

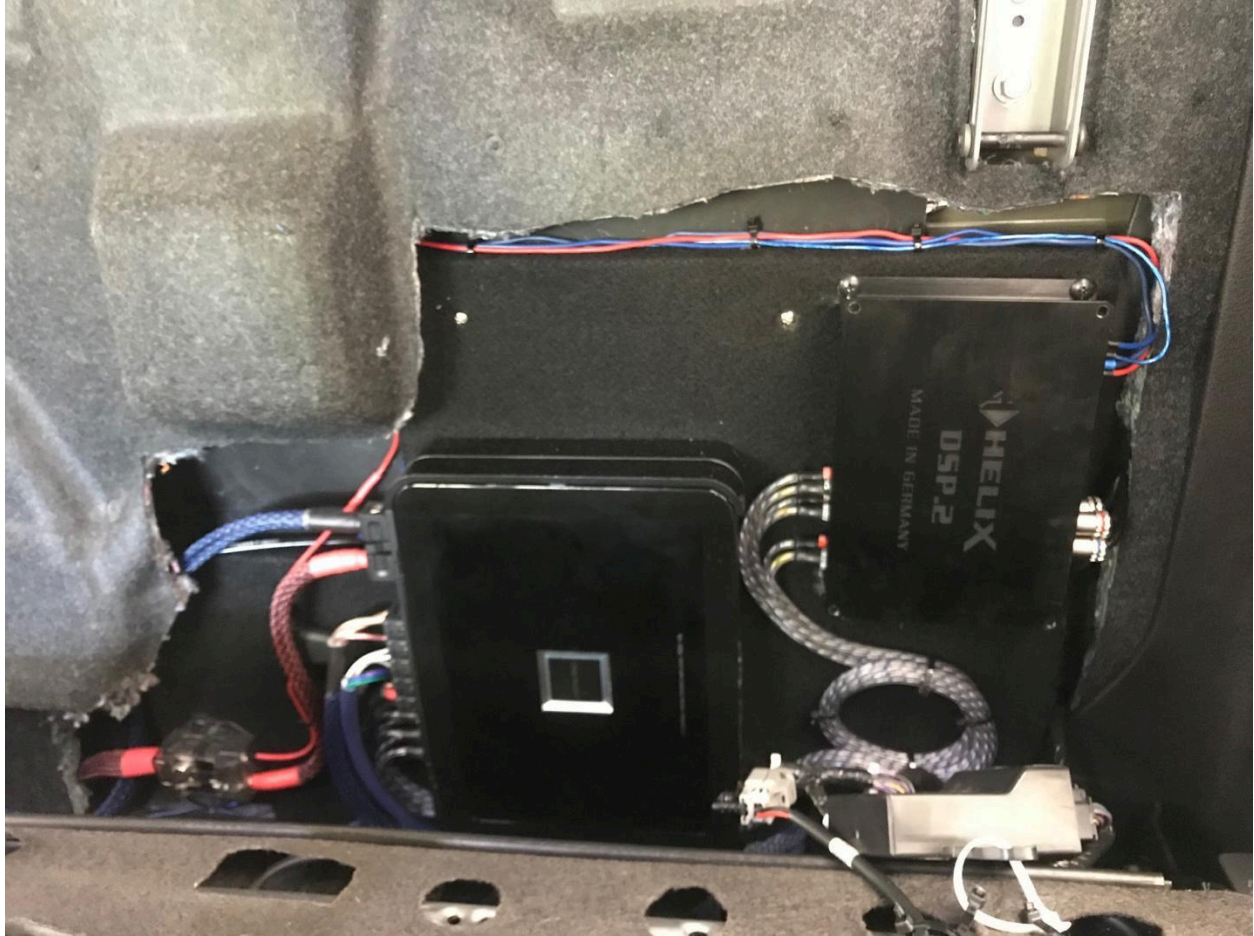








Amp and wiring in place and final factory carpet in place



Floor:

4 CLD Squares (significant coverage from the factory)

Could use a couple of rectangles for additional coverage but not much resonance on floor)

39.6 ft² MLV

39.6 ft² 1/8" CCF



Remove 4 bolts from each seat and remove seats.



Remove 6 bolts from center console. The cup holder area just is clipped in place so pull up hard. This reveals 2 screws. Two are on the back in the holes the seats were blocking and the last two are at the bottom front under the trim panels that clip in place.



Remove the center console attachment metal piece via the 4 bolts. Also remove the amp attachment metal piece (piece near the HVAC controls) Then slowly start pulling out the carpet.





The floor was covered in about 70% of factory CLD (the black looking stuff) so this didn't need much. Oddly, the one place it doesn't have any is right under the factory Sony subwoofer... (left far side in the below picture)





A little fiber mat by the restraint control module...Not really sure what it is doing but I left it...'



2 CLD squares placed under the front seats on 1 CLD square under the center console (split into two smaller pieces)



2 squares on the backseat area.



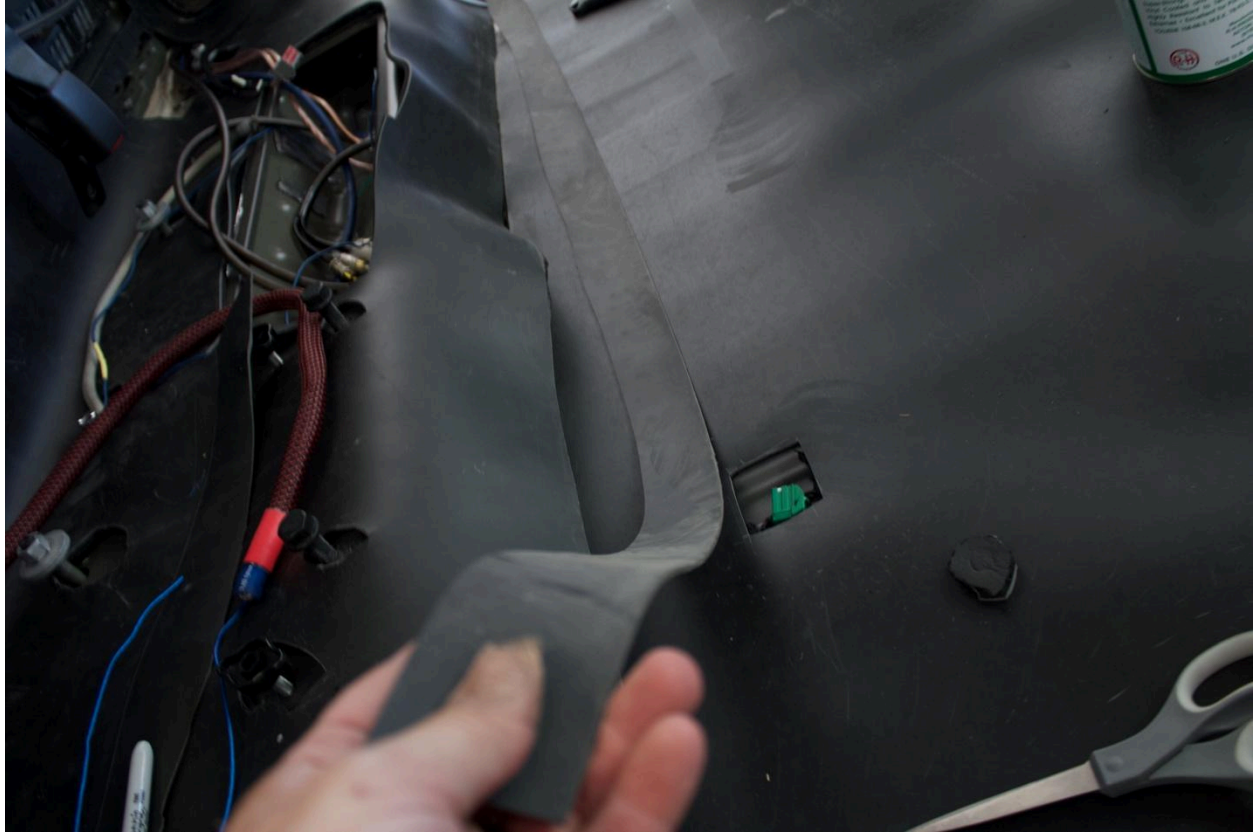
MLV/CCF for this was just big sheets. I found the easiest way to do this was to start peeling some of the CCF, place the MLV on that part to stick it and hold it down via the MLV weight. Then peel the rest of the CCF backing



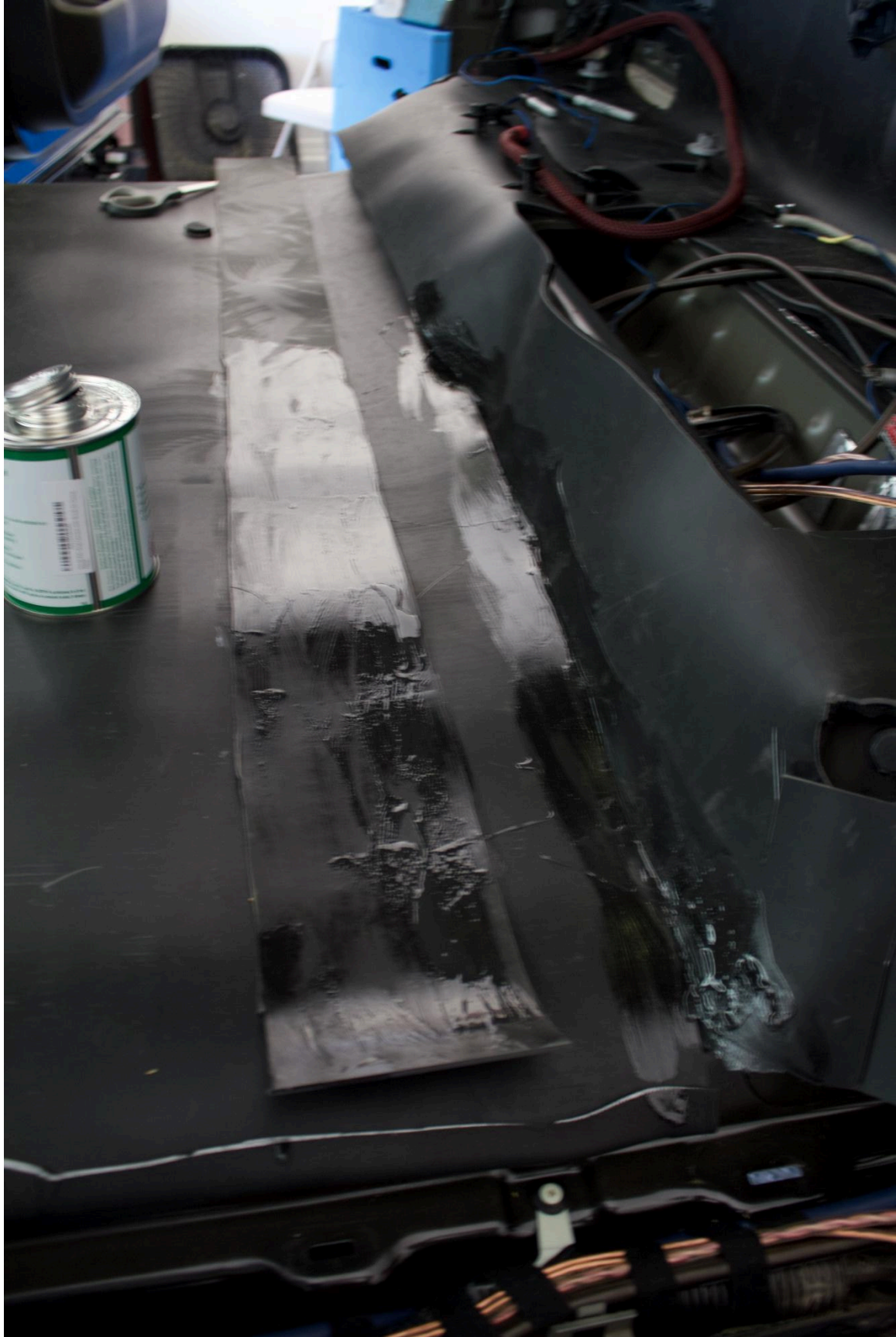




Place on the floor and seal to back seat platform piece using MLV and HH-66



I cut a 4" wide strip of MLV to seal this.



HH-66 on half of the MLV tape strip. It is hot in phoenix so by the time I got half done it was ready to be placed on. Cooler areas might be able to do the whole thing at once...although that would be challenging to line up properly.



Front seat area ready to go in. Same as last piece except this one is a little more challenging as it will need some seams to go under the HVAC controls.



Slid as far forward as I could get it.



Cut around anything important and seal with MLV/HH-66 tape again.



Roof (with sunroof):
4 CLD Squares
15 sq ft of fiber mat.



Remove 2 pine tree push pins from the back. Remove B/C pillars if you haven't already (you probably did if you covered the floor).



Remove three bolts from visors



Carefully pull down to remove wire



Sunglass holder is just clipped in place in the rear. Pull down with force.



Remove two wires from sunglass holder. Also remove wire from mirror and rain sensor if you have them.



Remove one bolt from each dry cleaning hanger. Careful with the cover that covers that bolt. It is fragile.

At this point the head liner is held up by magnets. Give it a tug and it will fall down. Careful not to let it bend or you will always have that crease



I have the sunroof so there is a lot of “stuff” up there.



Unfortunately nothing to keep resonance or heat out!



I placed 3.5 CLD squares at the rear behind the sunroof (some of it is hidden by the sunroof stuff)



I also used about .5 squares at the front window area.



I then filled as much as I could, without interfering with the sunroof) with thinsulate fiber mat. It is lightweight, has some sound absorbing properties, and some heat absorbing properties.



I also placed as much as I could at the front area as well.



I had some extra so I placed it behind the B and C pillars



