

Preparation for attaching a 4.3" TFT monitor to a driver side sunvisor for a C6

Materials/tools required are:

Vanity mirror cover

1/8" steel rod

1/8" drill bit

Gorilla tape and masking tape

1/2" drill bit

Drill

Flat fine file

Ruler

Measuring tape

Glue gun / 5 minute epoxy

Jigsaw

And most important is Patience

The vanity assembly removal process. Since I have homelink on the driver sunvisor, I removed the light switch and light wiring, and soldered the wires as needed to keep power to the homelink device.



With the cover removed, apply masking tape on the outside (good side) of the cover. This will prevent it from getting scratched while cutting, filing & drilling.

- 1) Pic showing the cover marked in preparation for cutting. Notice the masking tape on the good side?



- 2) I don't have pics of drilling the 1/2" holes on the corners of the cut out, but I did do that, then used a jigsaw to cut out the hole as close to the marked edge as possible, taking care not to go outside that outer line.
- 3) Once the rough opening was cut out with a jigsaw, I used a medium flat file to get as close to the finished cut line as possible, then the final filing was done by a fine flat file. The filing was done a bit at a time, trying the fitment of the monitor as I went along. This took the patience, because if its cut out or filed too big, there is no going back.

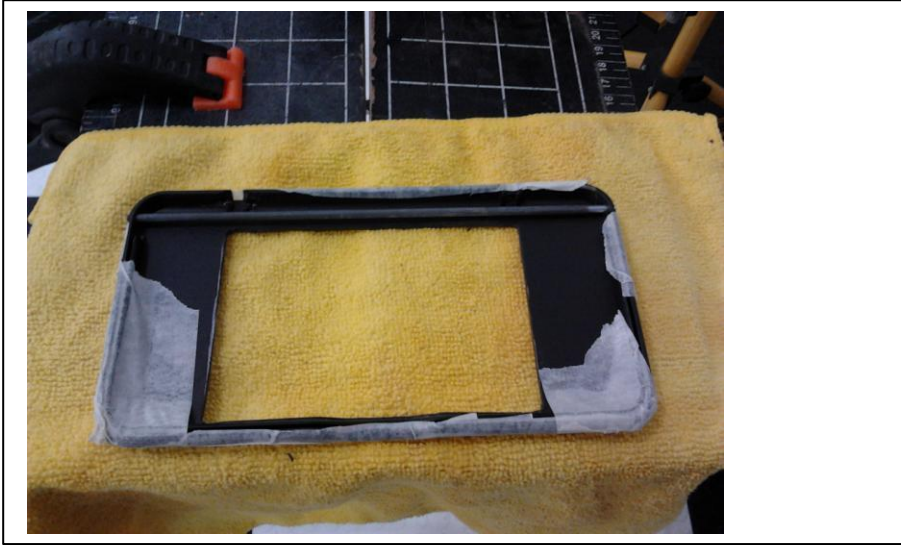
A pic of the cut out, using the fine file for final stages so the monitor would fit very tight in the opening.



- 4) Drill 1/8" holes on each end on the top, assuring that the rod will be above the monitor. Make sure the hole is as close to the edge as possible. There needs to be a gap between the rod and the back cover so the clips can grab the rod.**



5) The rod is now installed above the monitor hole, to make sure it fits OK



6) With the final hole cut, and top side holes drilled, and rod in place, final fitment of the monitor in the opening.



- 7) I removed the back cover from the monitor, and cut off the mount bump so it would not impeded the monitor from sitting inside the sunvisor opening. I put gorilla tape over the hole to prevent dust etc, from getting in the monitor.



**Removed cover, and cut out
mount bump**

- 8) With the monitor is in place, hot glue was used temporarily to keep the monitor from moving. Once in place, I used epoxy to permanently attach the monitor to the cover.



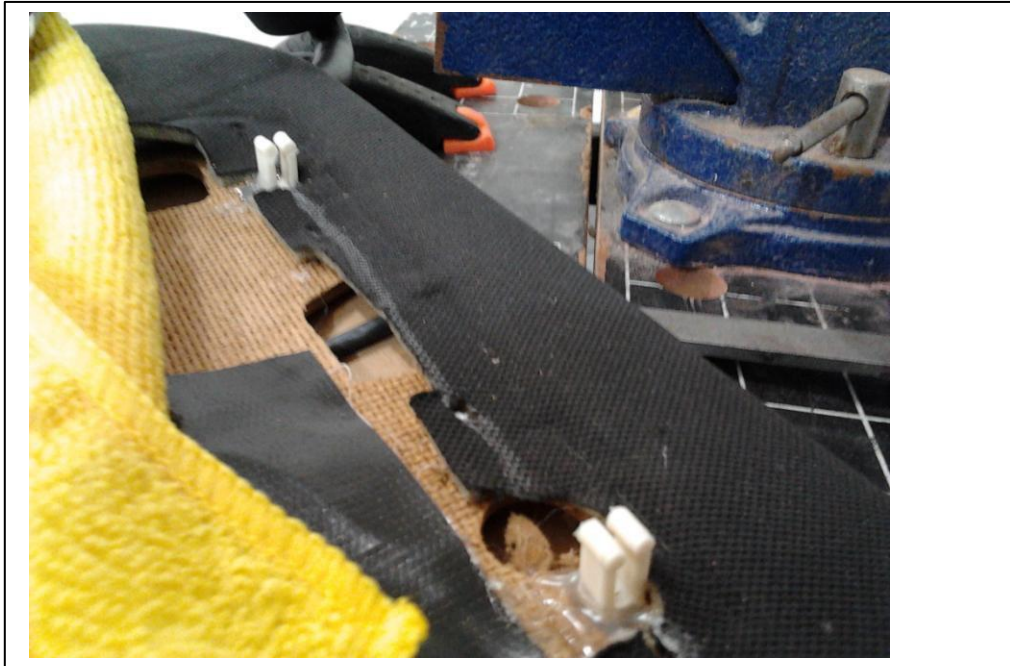
- 9) The rod is installed, and hot glued in place on each side. The sides of the monitor are covered with Gorilla tape. Note: the clips on the rod will be glued in the sunvisor board to hold the cover/monitor in the sunvisor.



- 10) The clips are shown in this pic. They are normally used to hold Xmas lights on a house. These are available at Home depot or other hardware stores. In lieu of clips, tie wraps can be used to secure the rod to the sunvisor board Material. Small holes can be made to pass the tie wrap through the board material.



11) The clips need to be glued to the visor board, assuring that the place they are put, is to the sides of the monitor. This takes a bit of eyeing where the clips have to be, so when the rod is attached to the clips, the cover will be where it sits in the proper place on the visor. Once the proper placing of the clips is found, a small hole can be carefully drilled (use a depth stop) in the sunvisor board. Put hot glue in the hole, and insert the clip. Make sure the clip does not go too deep. Hopefully the pic will show you how deep it needs to be. Epoxy can be dabbed next to the clip as well after the hot glue sets. Epoxy will hold up, where hot glue will not.



- 12) Here is a close-up pic of how the rod goes in the clip. Note: The rod can be zip tie wrapped to a similar hole in the board on each side of the monitor if clips are not used.



- 13) Of course, I took it a step further today, and attached rods on each side on the bottom end of the monitor. The clips were also installed. Having clips/rods on top and bottom will keep the cover/monitor very solid on the sunvisor, and easily removable if need be.

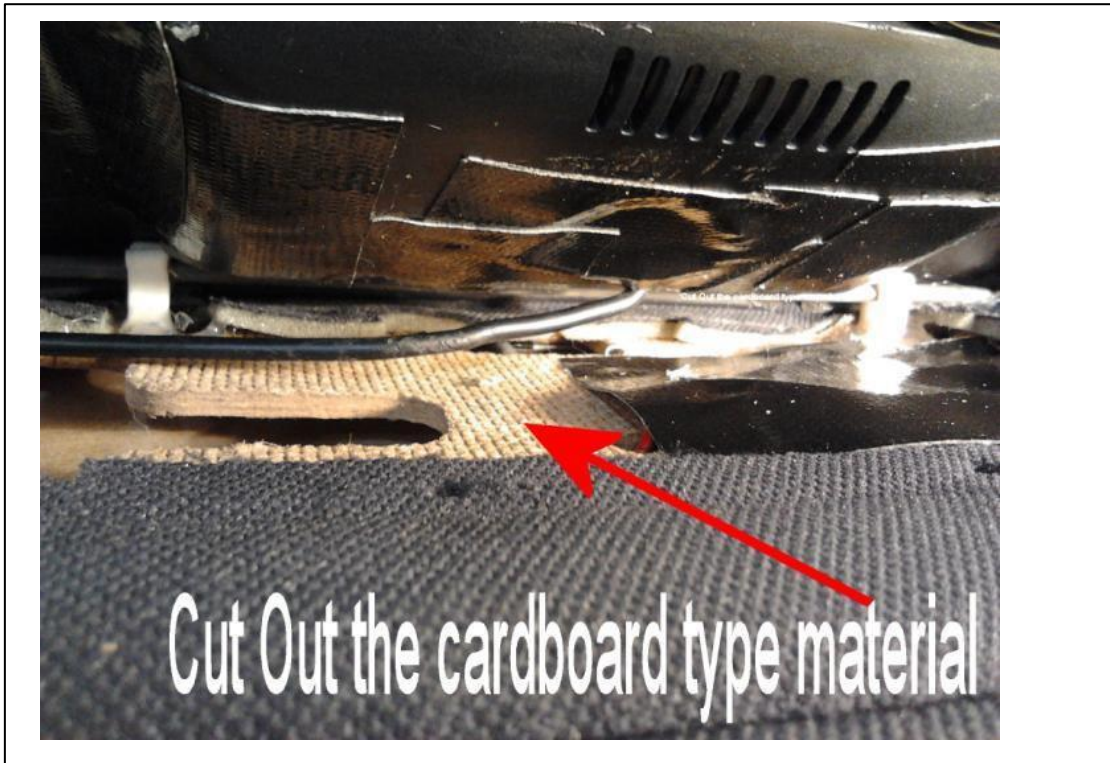
Yes, I did drill into the side of the monitor on the bottom. It's an empty void in that area. Also note, that the hole I drilled on the left bottom, I got too close to the edge.

You can see the rod. It cannot be detected when the cover is installed on the visor.

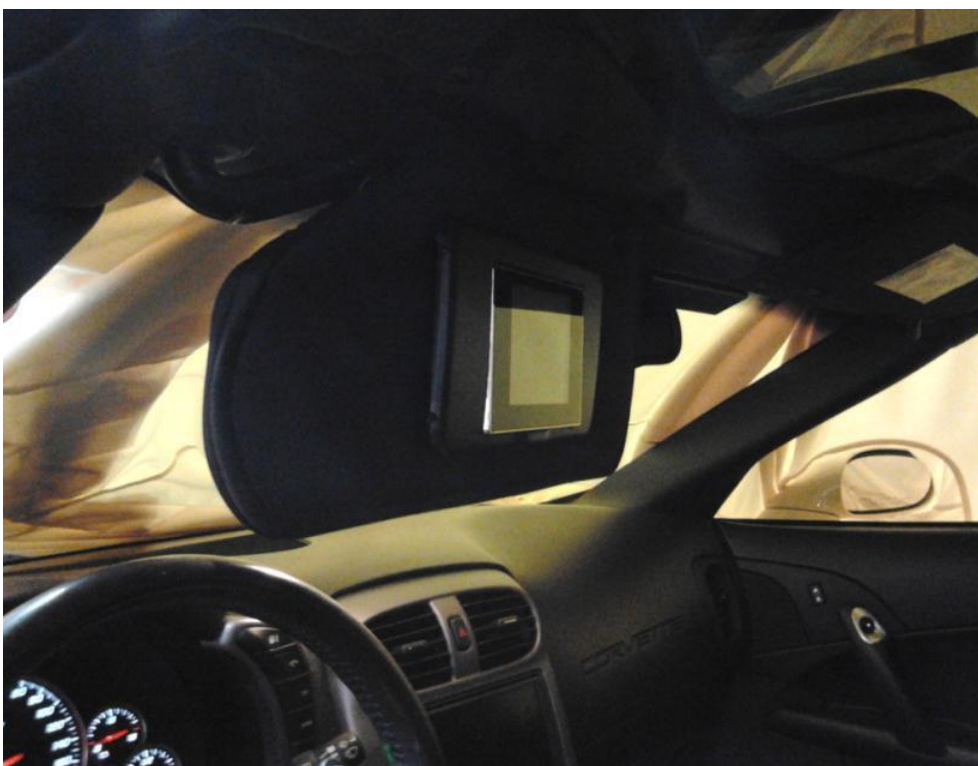
This pic shows that there is a gap between the rod and the cover. The clips need a bit of a gap to hold the rod tight. I used epoxy to hold the rods to the side of the cover, and also used epoxy on the sides of the monitor to the cover.

Similar to the top section, the bottom rods can be tie wrapped to the board material to keep the cover/monitor secured to the sunvisor

I wanted the monitor to sit lower or flush with the cover, so I cut out the cardboard type material as noted in pic. This will allow the back of monitor to sit into that pocket.



Here is a pic of the monitor sitting flush inside the cover, mounted on the sunvisor. I used both the clips and tie wraps. The monitor is very secure, sitting in that sunvisor.



If you have any questions, or need assistance, e-mail me at lv2tour@gmail.com

Here is a picture of the camera I used. Bought it at Amazon (It has infrared lights for night vision).



**Camera with Night vision LED's -
\$13.86
Amazon.com**

http://www.amazon.com/Night-Vision-Parking-Reversing-Camera/dp/B003T91K94/ref=pd_sim_e_4?ie=UTF8&refRID=1J7EM2QADN707M0SEQM8



4.3" Monitor - \$16.86
Amazon.com

http://www.amazon.com/inch-Foldable-Rearview-Monitor-Screen/dp/B006MPRFJQ/ref=sr_1_3?s=electronics&ie=UTF8&qid=1422986175&sr=1-3&keywords=4.3%22+back+up+camera+monitor

I made a small bracket to mount the camera, then mounted the bracket on the top of the center air deflector (under the bumper) using the center bolt of the deflector.



I used the driver fog light wiring (skinned the wiring, and soldered the camera power wire to the fog light wire) then taped the connection.

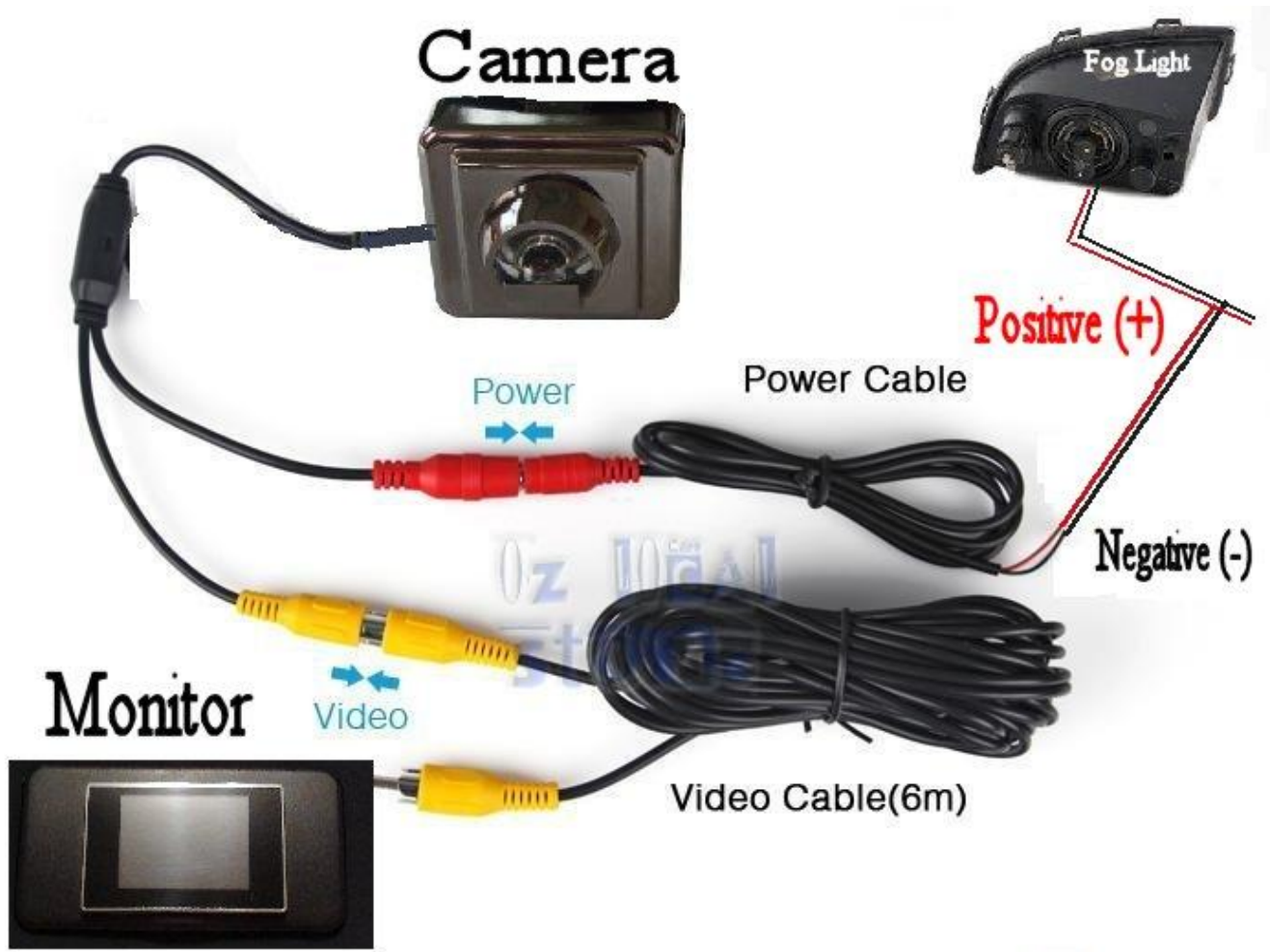
The RCA video cable from the camera, were put in a wire loom, then run into the engine bay, under the radiator overflow tank, along the side, then under the power brake booster, then into the cockpit through a hole (3/4") that I drilled just above the Dead Pedal, From the firewall, the wire loom runs behind the dash, up under the driver A pillar plastic moulding, and into the sunvisor. I had to break off some of the plastic ribs inside the A pillar moulding so the RCA connector could sit flush. The connector is quite thick.

The A pillar moulding was not damaged by removing some of those ribs.

If I were to do this project again, I would of went with the wireless adapters, so I would not of had to run the cables from the front through the firewall.

When I want to park, I turn on the fog lights, flip down the sunvisor, and the monitor is in view so I can watch the curb. The camera has guide lines so one knows how close they are to the curb.

This is how my set up is connected:



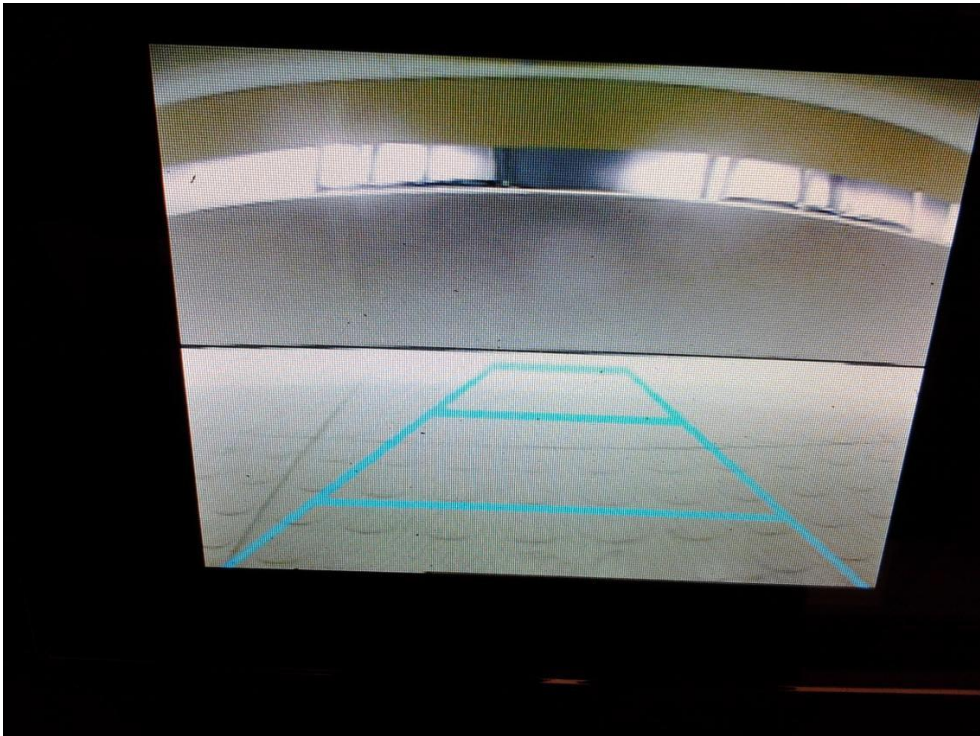
If you have any questions, please feel free to PM me 4SUMERZ or E-mail me lv2tour@gmail.com

Paul Cormier

Picture # 1 shows the guide line blocks, in relation to the curb (I used a cardboard box).

Picture # 2 shows how close you will be to the curb as indicated by those lines in Picture #1

Picture #1



Picture #2



