

Introduction:

This How-To was performed on a my23 Lariat 502A PowerBoost. The steps you follow could differ depending on your trim level. When the disassembly and installing occurred, I did not disconnect the batteries, I worked with everything live to make testing the lights a lot faster. Proceed at your own risk (or disconnect all batteries to be safe).

Tools/Materials Needed:

Ratchet (1/4 preferred, will need to get into tight spots, i.e. media bin bolts)

6mm and 7mm sockets

Plastic Pry Tools: (kit used from Amazon: "GOOACC 8PCS Auto Trim Removal Tool Kit No-Scratch Pry Tool Kit for Car Audio Dash Door Panel Window Molding Fastener Remover Tool Kit-Red")



T20 Torx Bit w/driver (for cupholder assembly replacement)

Drill with drill bit (to make pilot hole in media bin for Dremel cutting bit)

Dremel (if your media bin does not have a hole already)

Dremel bits used:

560:



455:



Ford Parts:

ML3Z-1513562-CB - full cup holder assembly

ML3Z-14A318-C - Media bin light

ML3Z-14A411-C - Glove box light

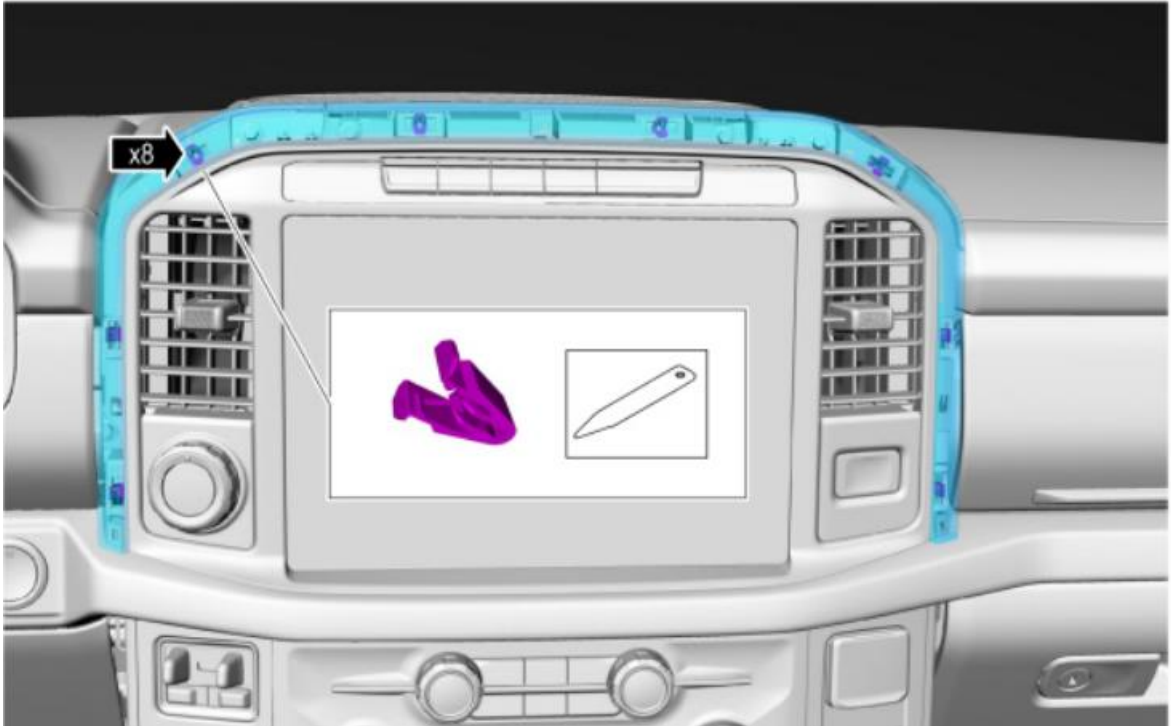
Harness for cup holder lights - (reach out to JHForman812 on f150gen14.com)

Harness for media bin/glove box light - (reach out to JHForman812 on f150gen14.com)

Climate Control with LCD knob display – No model # provided here, models differ, please find the correct one for your trim (search on f150gen14.com) – There is no step in this guide on the climate control. However, during the disassemble process you will be pulling this out of the way. At that time, it is self-explanatory on how to remove the climate control unit. Once you do, if you have a brand-new unit, never used, you will need to be sure to have your original AS-BUILT HVAC file saved, so you can load it onto the new unit within Forscan. There are various threads on f150gen14.com that go more in depth.

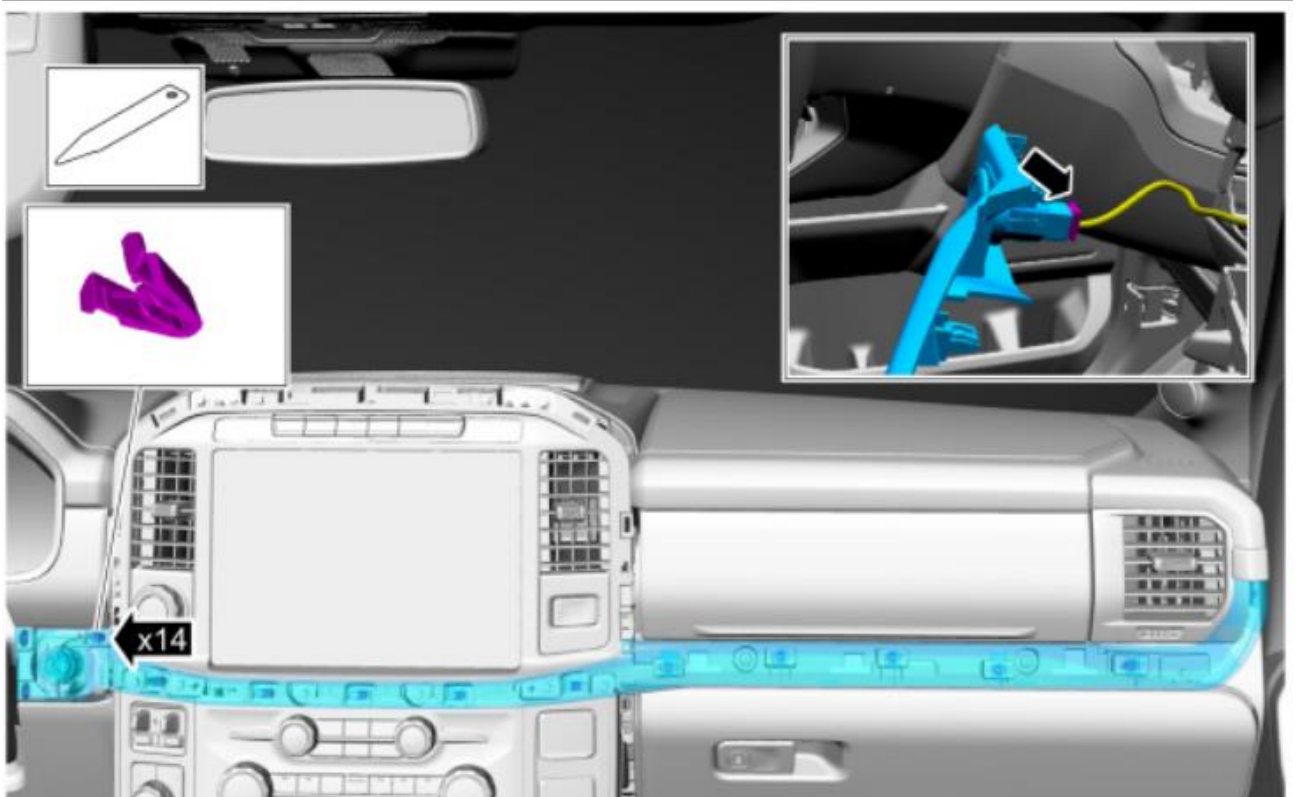
Disassembly:

1. Remove the trim around the Sync 4 touchscreen:



2. Remove the center piece trim

Note: If you have push button start, you will want to make sure when removing the trim, when pulling out, you disconnect the connector from the button so the entire trim piece can be put aside.



3. Remove the Glove Box:

- a. First start by opening the glove box and pressing in on the two inner tabs shown:



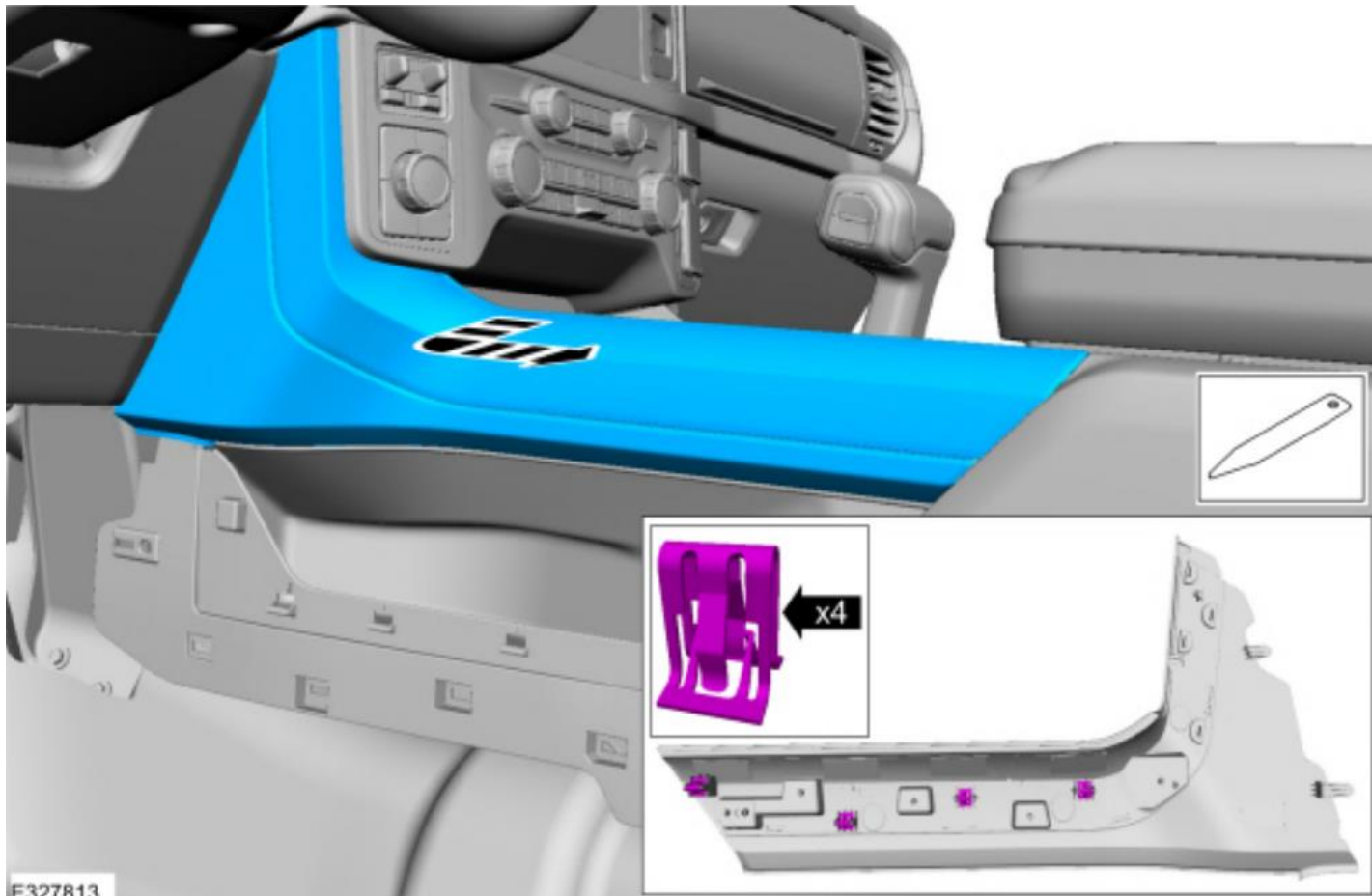
- b. The glove box will come down and be as shown:



- c. You are now able to gently pull the glove box out of it's hinges:



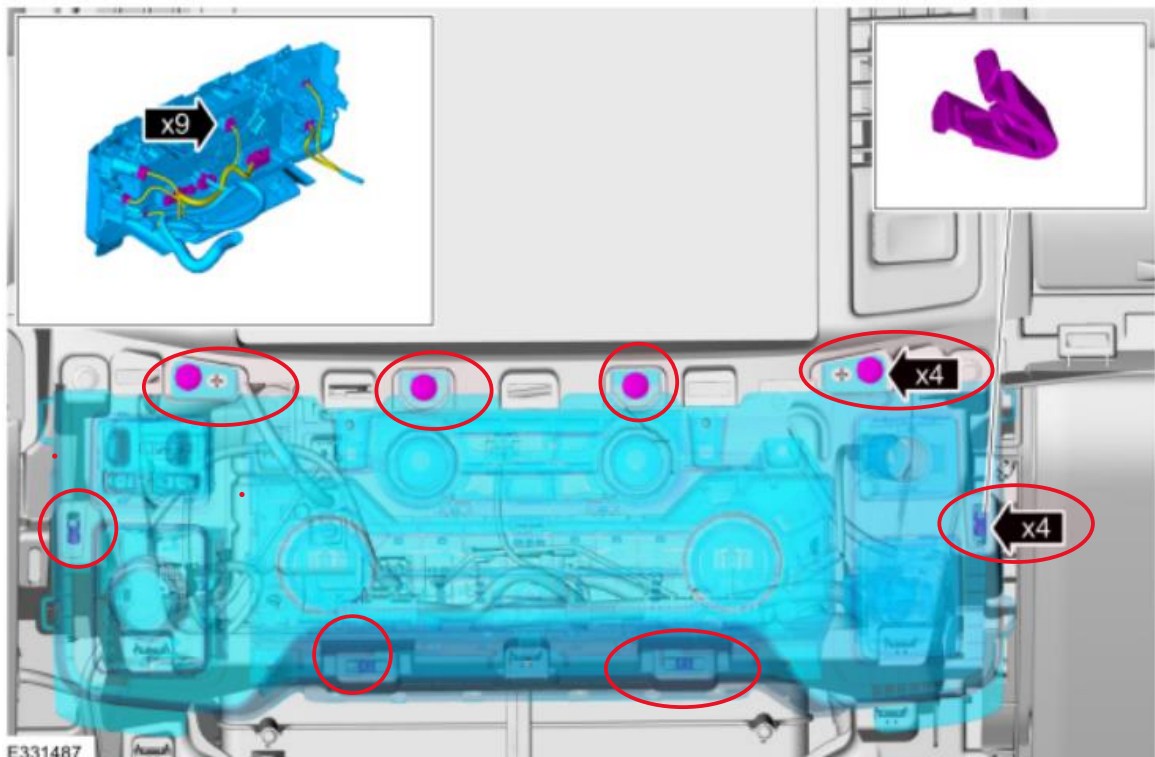
4. Remove Driver side upper console trim piece (use pry tools, it helps to have the console lid open):



5. Remove passenger side upper console trim piece (do same as step 4):

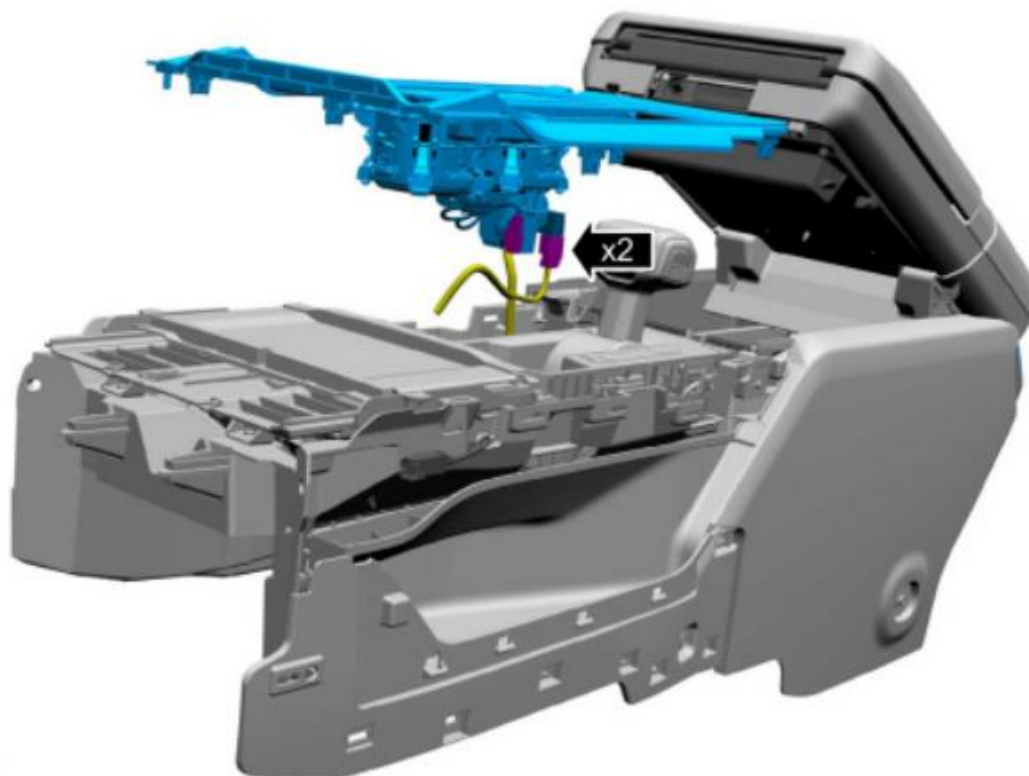
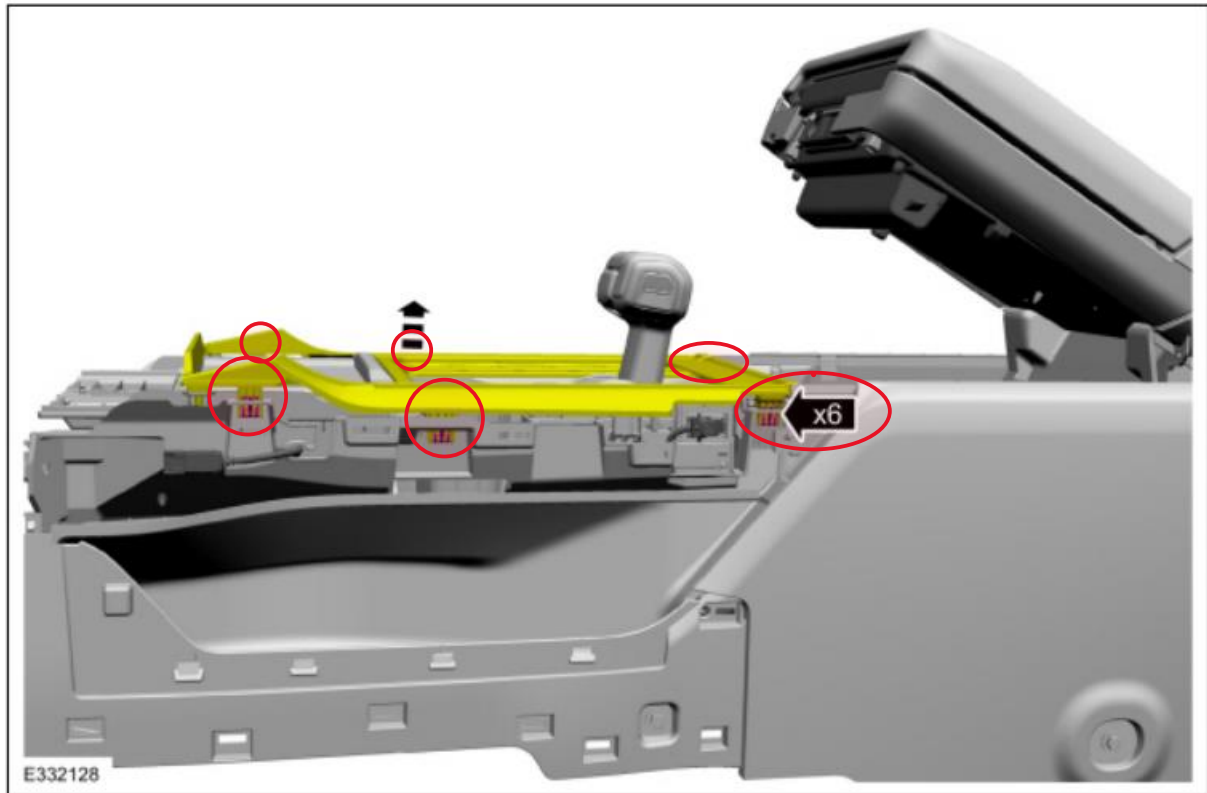


6. Start unbolting the Climate Control/Radio button trim conjoiner:
There are 4 bolts holding the top of the unit. Once you have all the bolts removed, then put both hands on each side of the unit and pull towards you. It will then unclip and come out. Be sure to disconnect all connections running behind the climate control, power outlet, drive mode, trailer backup assist, etc.

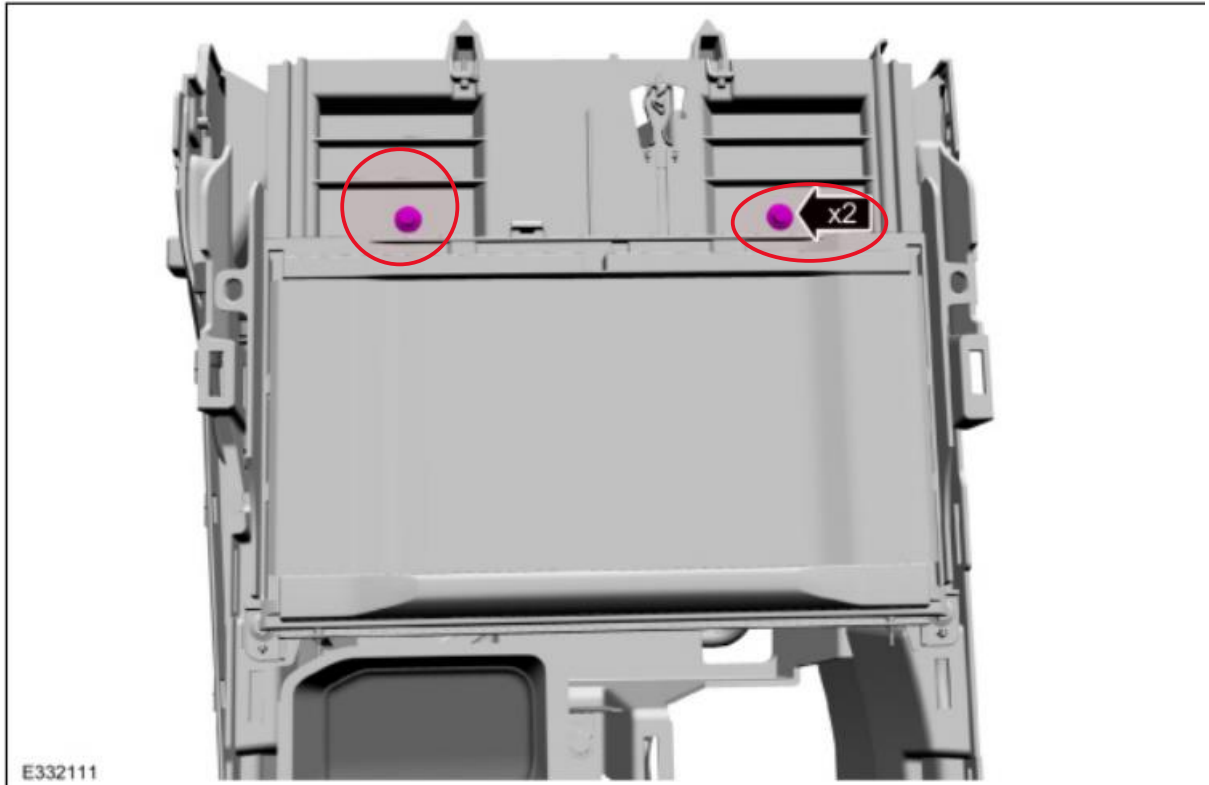


7. Remove the trim / cupholder assembly with console lid open for easier access. This is held on only by clips.

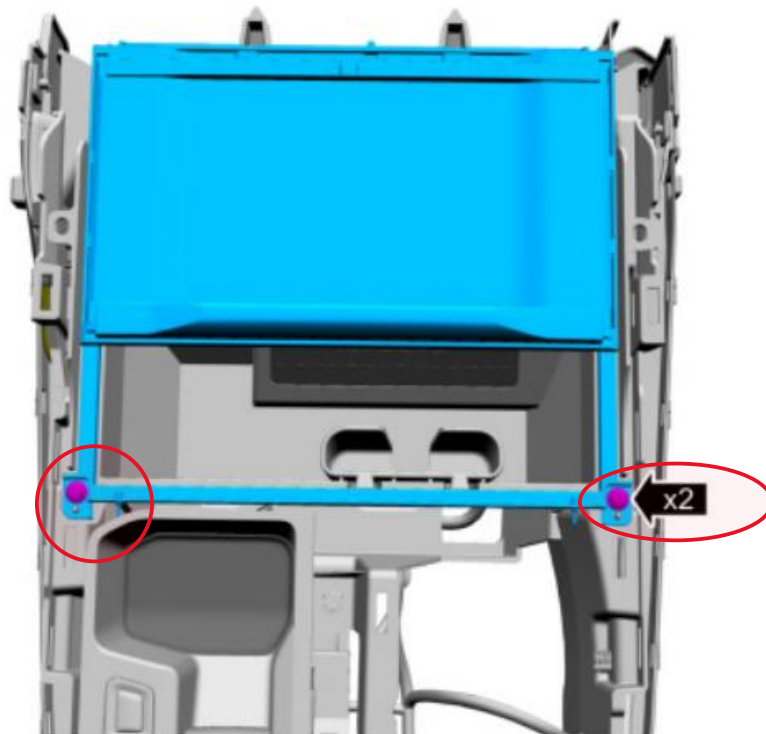
Note: Use the trim removal tools to pry on the sides, etc. Disconnect the connection to the bottom of the cupholder and place entire assembly to the side.



8. Start the Media Bin removal:
 - a. Remove the front media bin door assembly screws.
Note: **Close the media bin** Door and remove the two screws



Open the media bin door and remove the two screws:

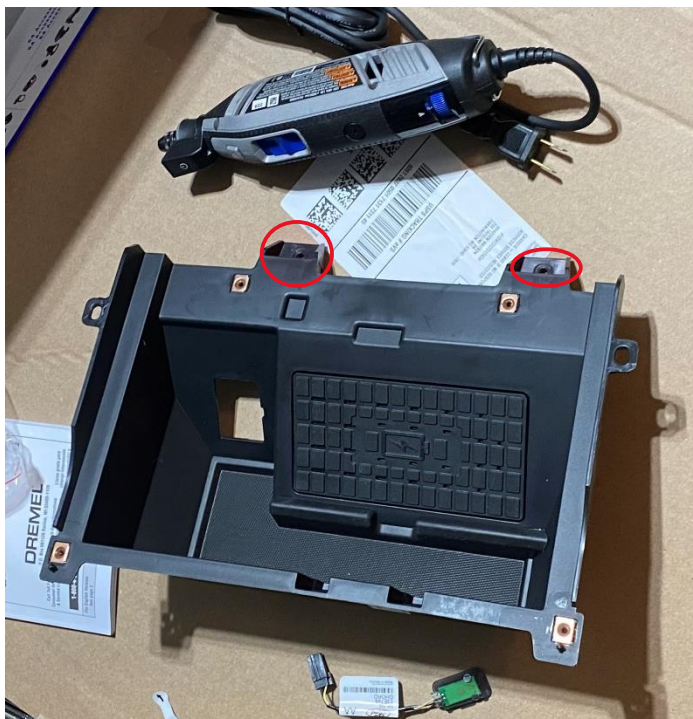


b. The media bin LID ASSEMBLY should come right out now.

Remove the two back bolts that are holding the media bin in place (picture for reference):



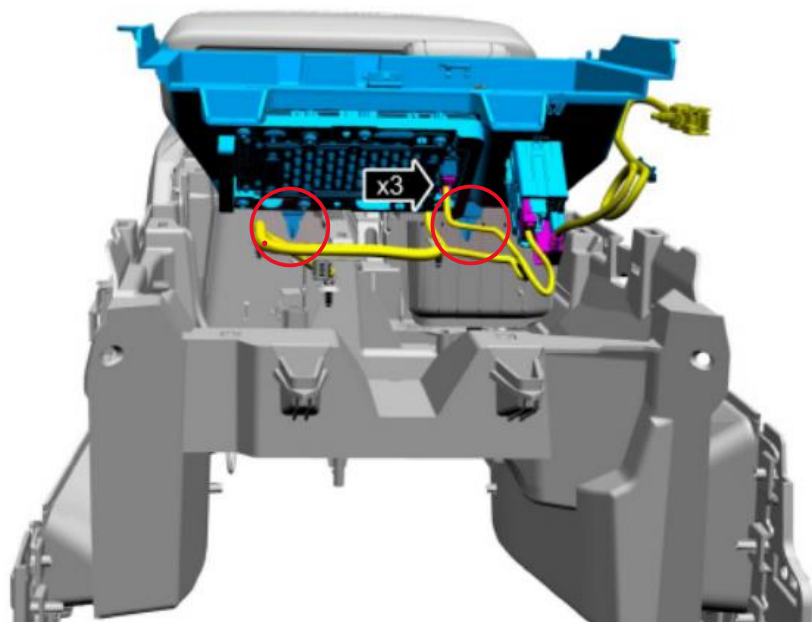
Note: Another picture for reference of where the bolts are located:



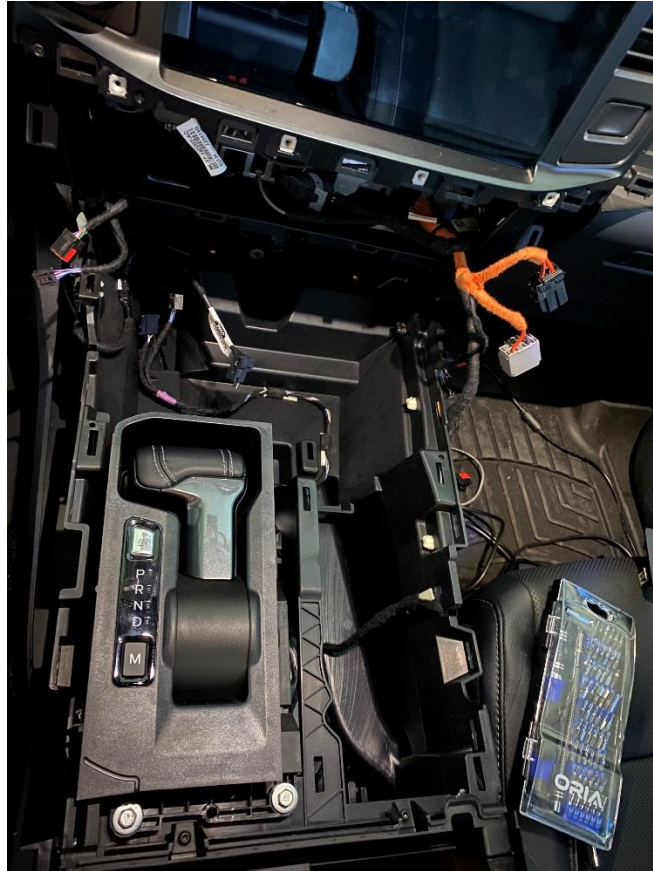
- a. The media bin is now ready to be removed. It will pull up by hand, there are two clips holding it in (picture will show the clip hole locations – note the bin is already removed for illustration purposes):



- b. Disconnect the USB connector and wireless charger connector (if applicable).
Note: The below view is of the media bin from the dash point of view. You will see this orientation reverse when you are looking at it. See the two circled clip holes from above image and below image with clips (same hole/clips, different view).
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c. Your view should look something like this now:



c. Remove the “old” cupholder from the trim piece by taking out the torx screws. There is a total of 6 torx screws. Swap the New cupholder with lights to the trim piece and put the torx screws back in.

d. Cutting hole for Media Bin light:

a. I used a picture from the forum which I realized afterwards, was not the same media bin assembly I had. Nonetheless I went off of this picture to get an idea of the media light location (notice the rubber mat tab, so you can get an idea of placement):



Here is the actual '23 media bin removed (light will go somewhere here):



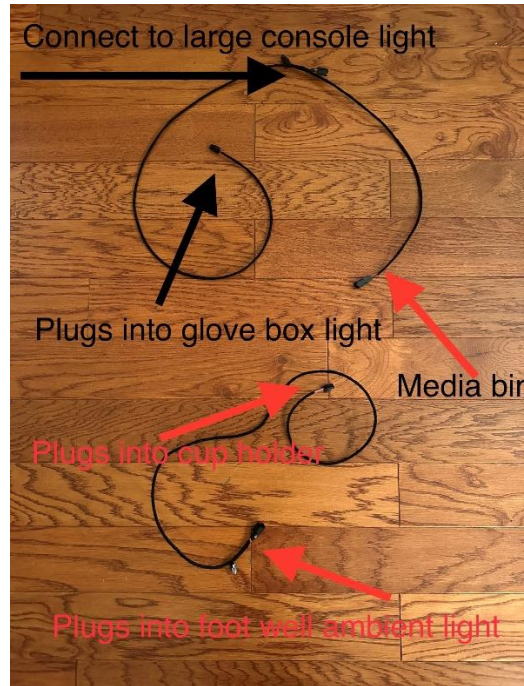
- b. Disregard the nastiness and sharpie marks... I used a piece of card stock (paper will work, thin hard cardboard, etc.) for a template of the light. Then a sharpie (use whatever works) was used to outline the approximate place the light would be installed. Once you have your lines made, use the drill to drill a pilot hole big enough that the Dremel cutting bit can be used. Then take the Dremel and ever so slightly start cutting out the hole. I used the polisher looking bit for the Dremel to clean up the plastic strands.

You can see by the picture below; the light is a tad crooked. However, the nice thing is, you will never see the face of this light (if you happen to end up crooked like me), only the output.



9. Start running the Harnesses.

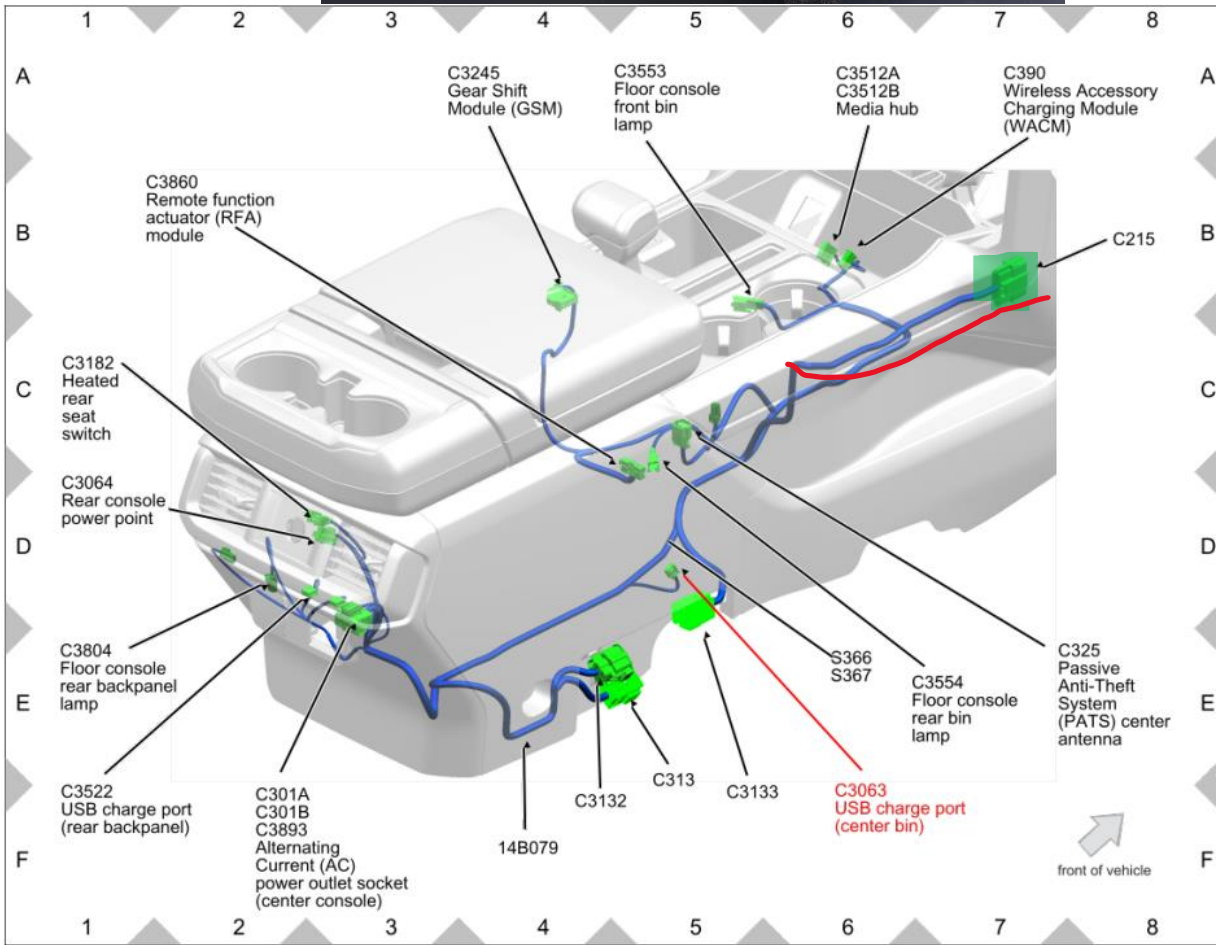
a. Two Harnesses - Picture courtesy of JHForman812:



b. I started by running the **glove box harness** first:

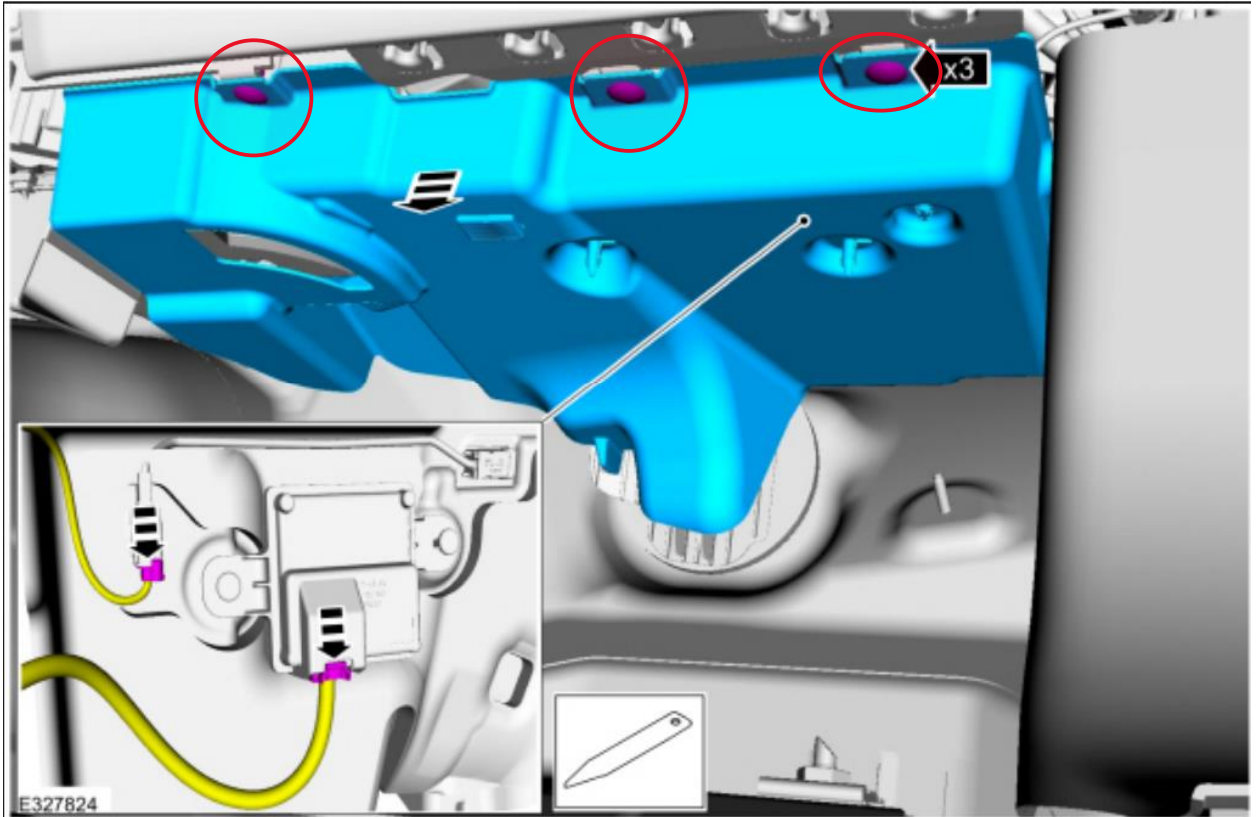
I put the glove box light connector through the glove box hole and popped the light in place. Then I ran harness the harness towards the glove box with the "Plugs into glove box light" end:





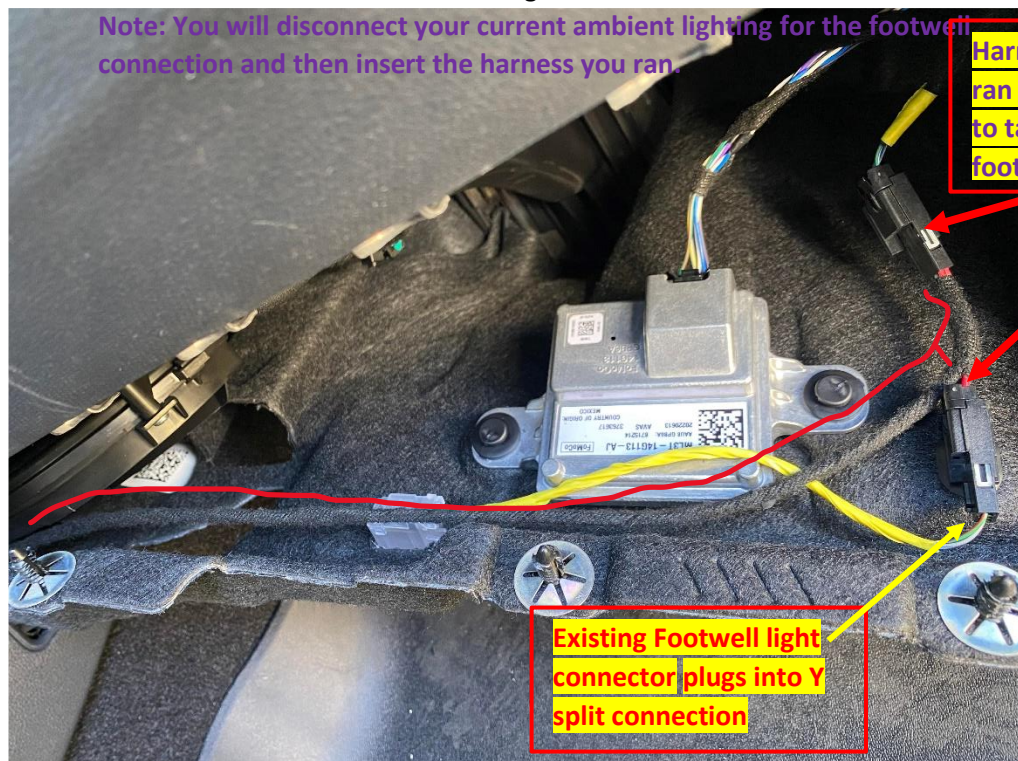
- c. Now start on the harness run for the cupholder/footwell ambient light
Note: I ran the harness the same exact way as I did the glove box harness through the side of the console etc.

- i. Pop the footwell cover down by using a pry tool on the three circled push tabs:



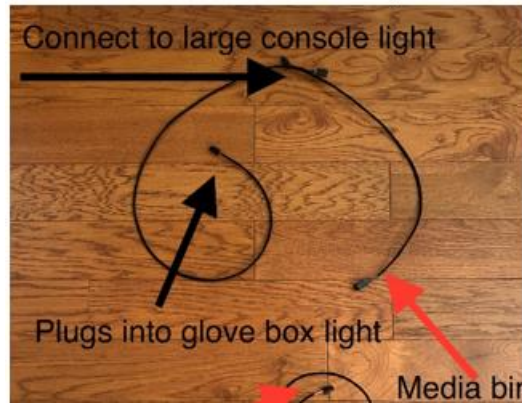
- ii. Below is the result AFTER connecting the new harness:

Note: You will disconnect your current ambient lighting for the footwell connection and then insert the harness you ran.



- d. Go back to the console area and start disconnecting the existing “large console light” connection. Then plug the new harness up by following the below image:

“Connect to large console light”



- i. Put the media bin back into place, making sure to connect the USB hub and wireless charger connectors back.
 - ii. Then take the media bin harness connector end and hook it up to the media bin light.
- e. Take your new cupholder and connect the new light harness end into the appropriate connection. Also connect the key fob antenna connector back into the cupholder. Note: In order to test the lights, you HAVE to connect the antenna cable into the cupholder, or you will get an error “key fob not detected” when trying to start/put vehicle into accessory mode.
- f. If you want to test the lights before putting everything back together, remove the start button from the dash trim (two side clips you push in, and it pops out. Then connect the ignition connector to the back of the start button. You should now be able to turn the vehicle into accessory mode, or turn it completely on, and be sure to turn the headlight knob to parking lights. Lastly, make sure you have ambient lighting turned on by going into the Sync 4 screen heading to the ambient lighting settings.
10. Hopefully all is working well, and you can begin to reassemble everything back into place.
- a. Here is what the finished product should look like:





