



Dynavin BMW E90/E92 Installation Guide

We assume no responsibility for damage caused during installation of this product. This guide is only here for reference, professional installation is recommended. This installation guide may not include all steps needed and may not be fully comprehensive.

1. Unpack your headunit and make sure all accessories are included in the kit:

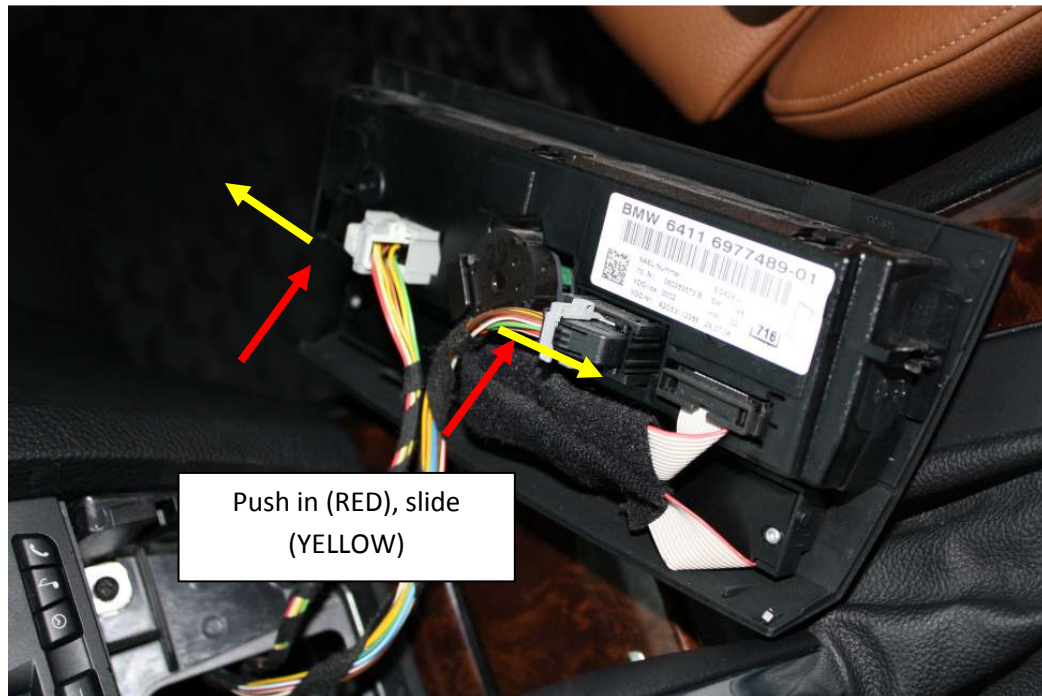


- Wiring Harness
- CANBUS box
- Antenna Adapter
- TMC Antenna (not used in USA)
- GPS Antenna
- User Manual
- Remote Control
- iPod Connector
- BT Microphone
- Installation brackets and screws
- USB Female to Micro USB Male extension

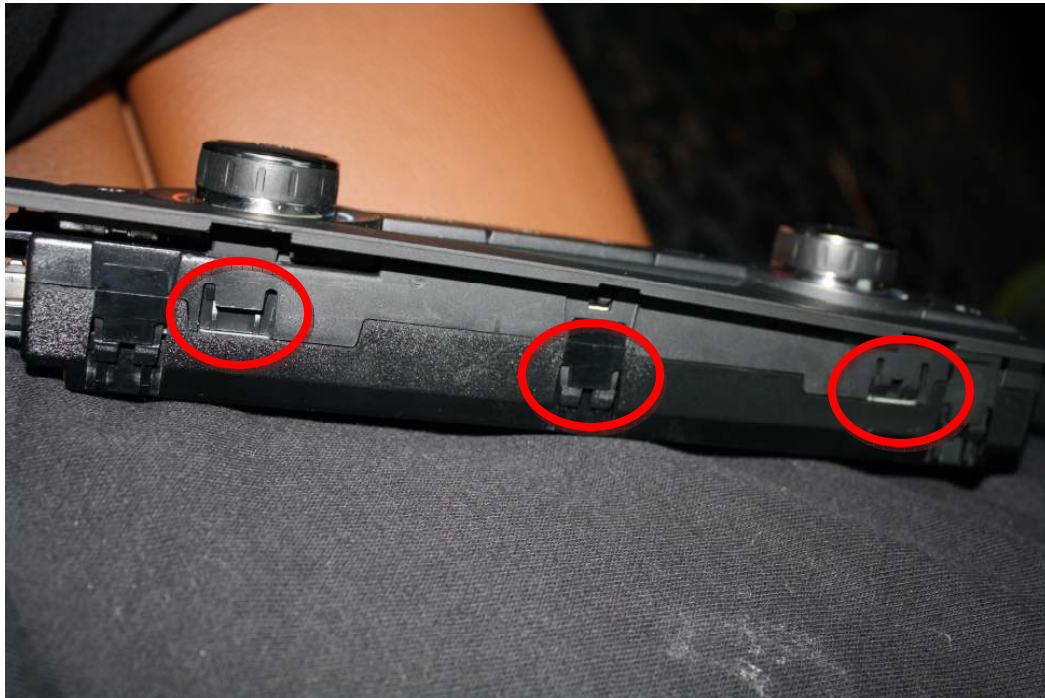
2. To begin installation in the vehicle, start by getting a credit card that you do not mind if it gets damaged. Insert it as shown in the picture, straight to the front of the vehicle. Once inserted, tilt it upward to start to pry the climate controls towards you. Move to the side to try the side edge away and get a flathead screwdriver in there. Now you can slide the screwdriver down to loosen the whole side and the card across to loosen the top. It shouldn't damage anything and should pop out relatively easily now.

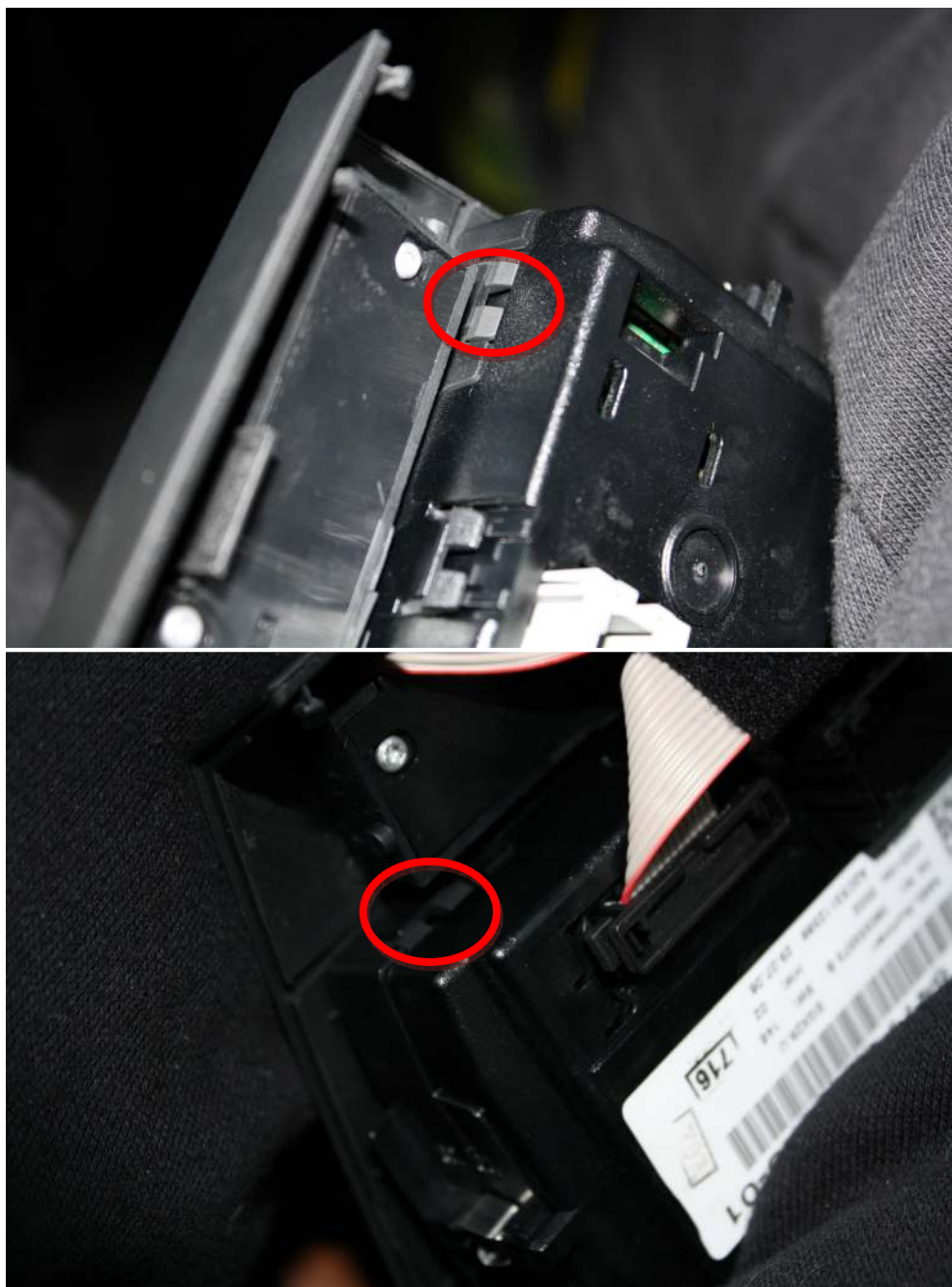


3. Now disconnect the wiring harness to the climate controls so it can be removed completely.
 - a. To remove the two fat connectors you have to push in and pull the sliding clip as illustrated with a flat head screwdriver.



4. Now you need to remove the climate control module from the trim piece. Do this by releasing the clips as illustrated. The clips are the same on the top and bottom.





5. Now you should have separated the climate control module from the trim piece like the picture below. Now remove the seat heater controls by releasing the tabs indicated.



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6. Now that both are separated you can focus on getting the CD player out. Remove the two Phillips head screws at the bottom side to release the unit.

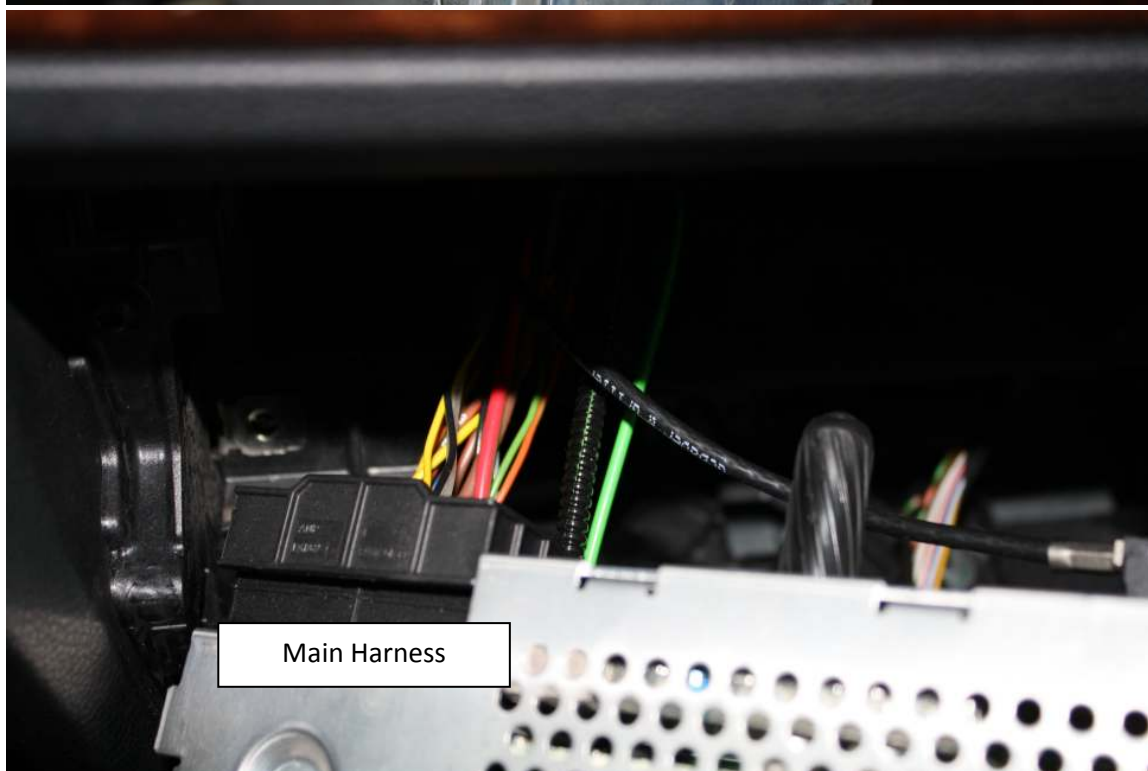
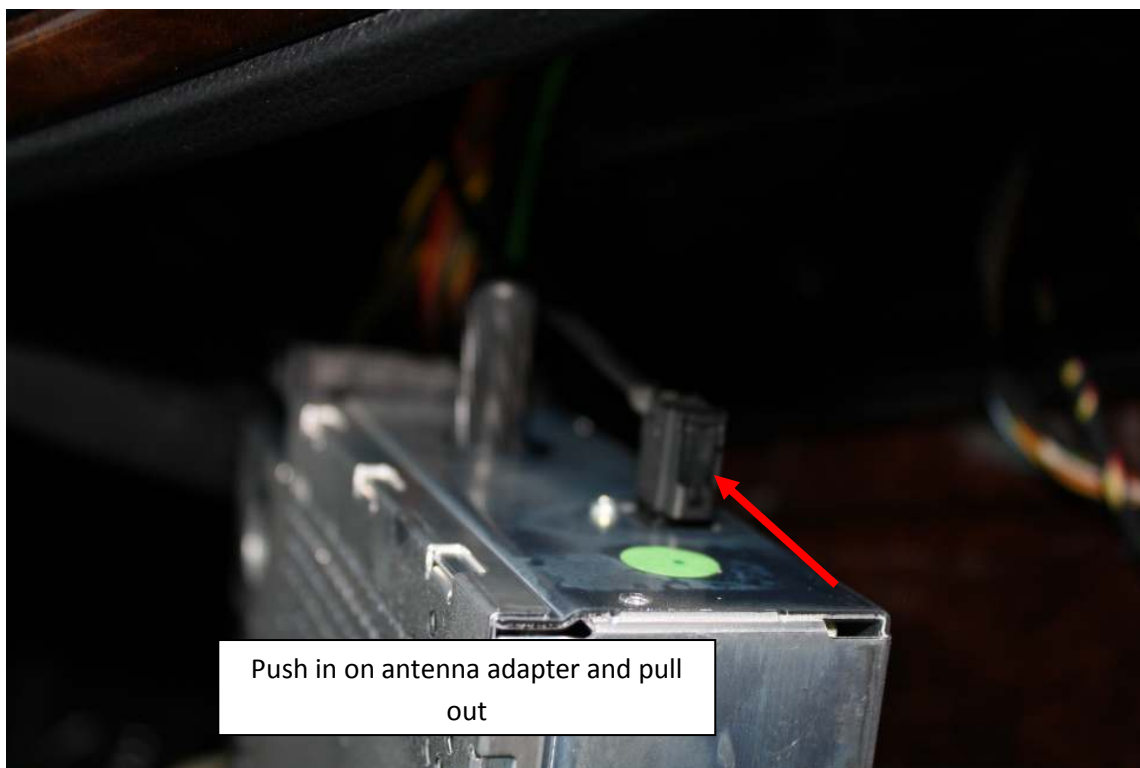
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7. Now remove the cables to the back of the stock headunit. They are one main harness and one antenna adapter. For the main harness you need to just pry up on it slightly with a flathead and then it will rotate back and push the connector out. For the antenna adapter just push in on the passenger side and pull out.



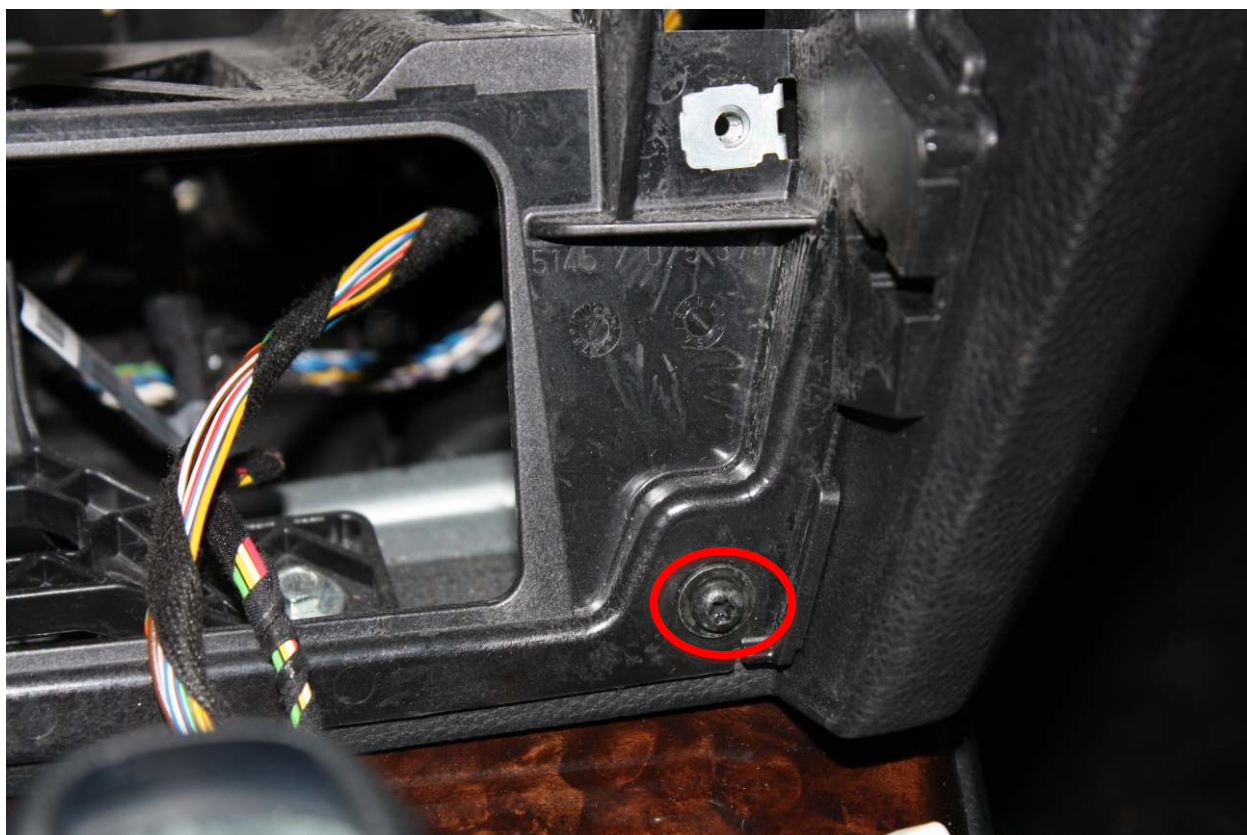


8. Once everything is cleared out, move onto removing the plastic mounting shell. This is held in by 4 Torx T15 screws and two bolts on the bottom. Shown below;

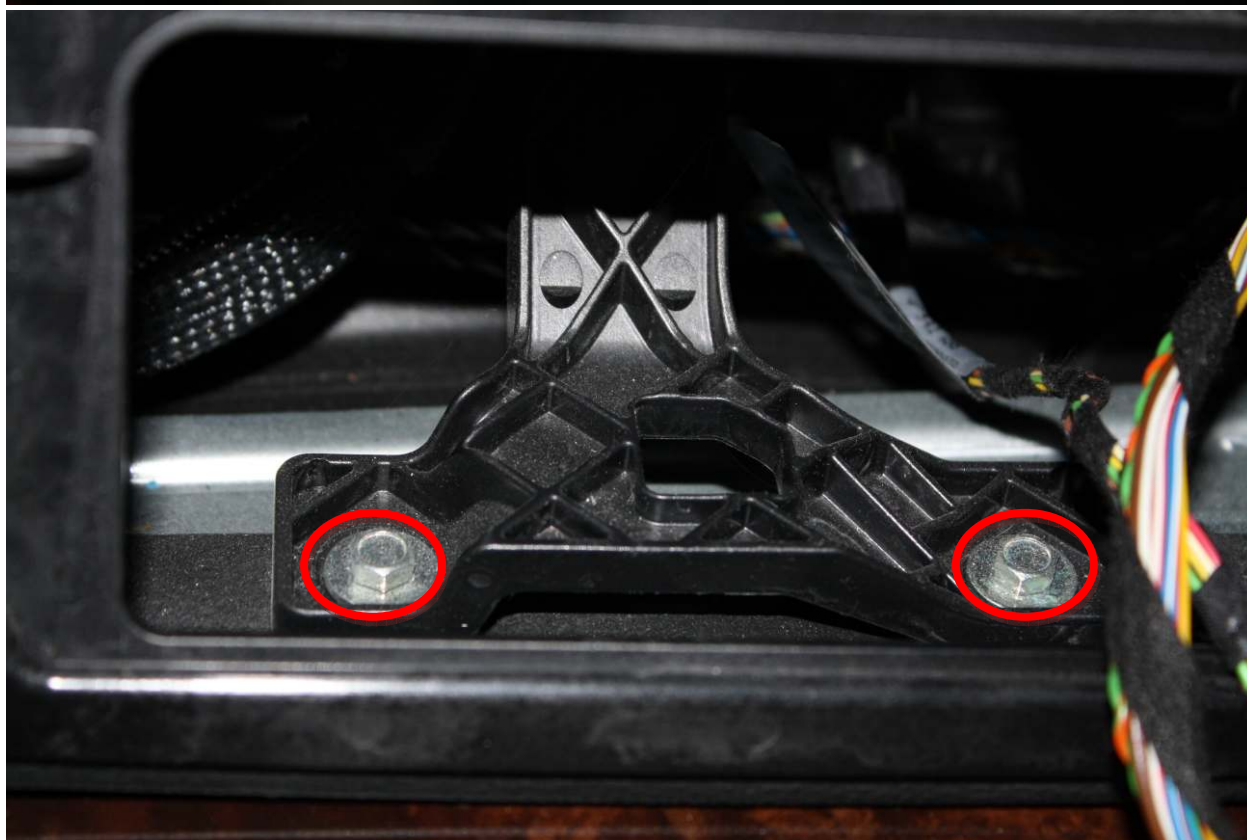
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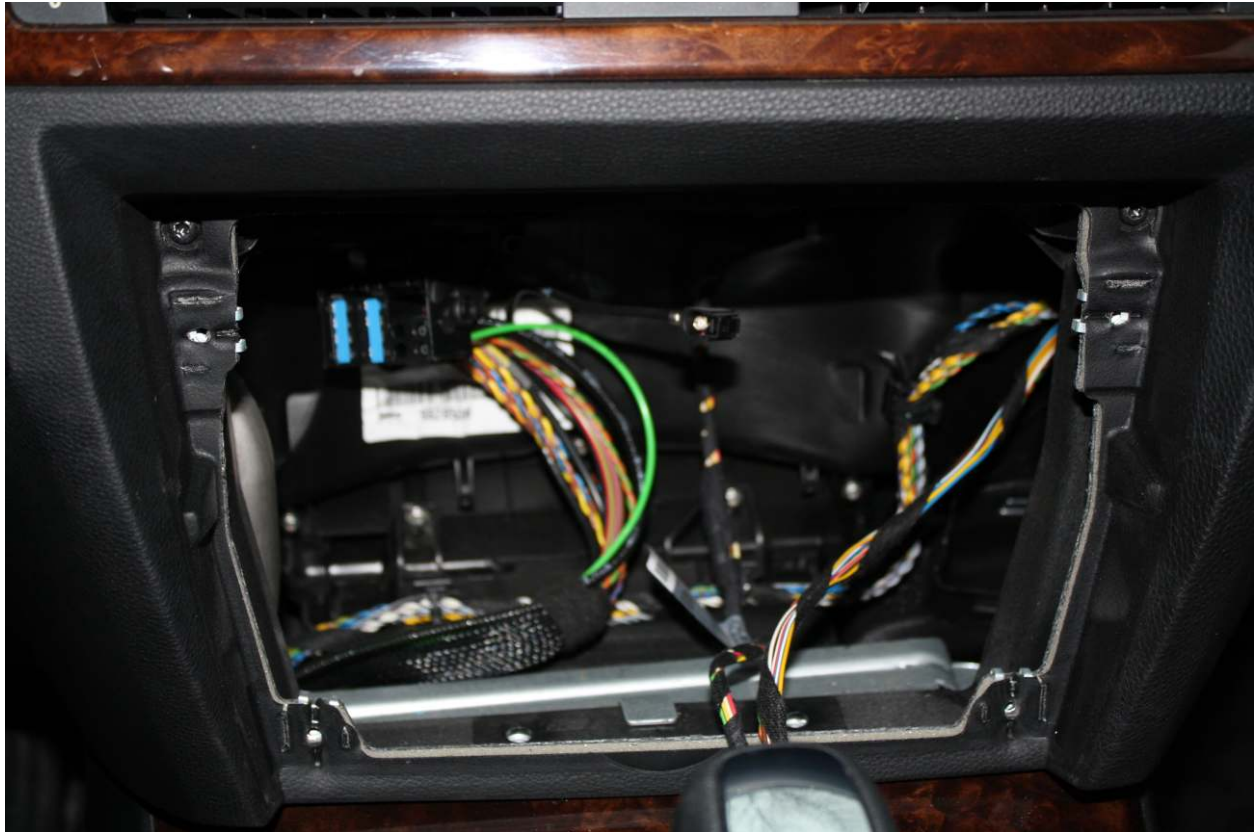
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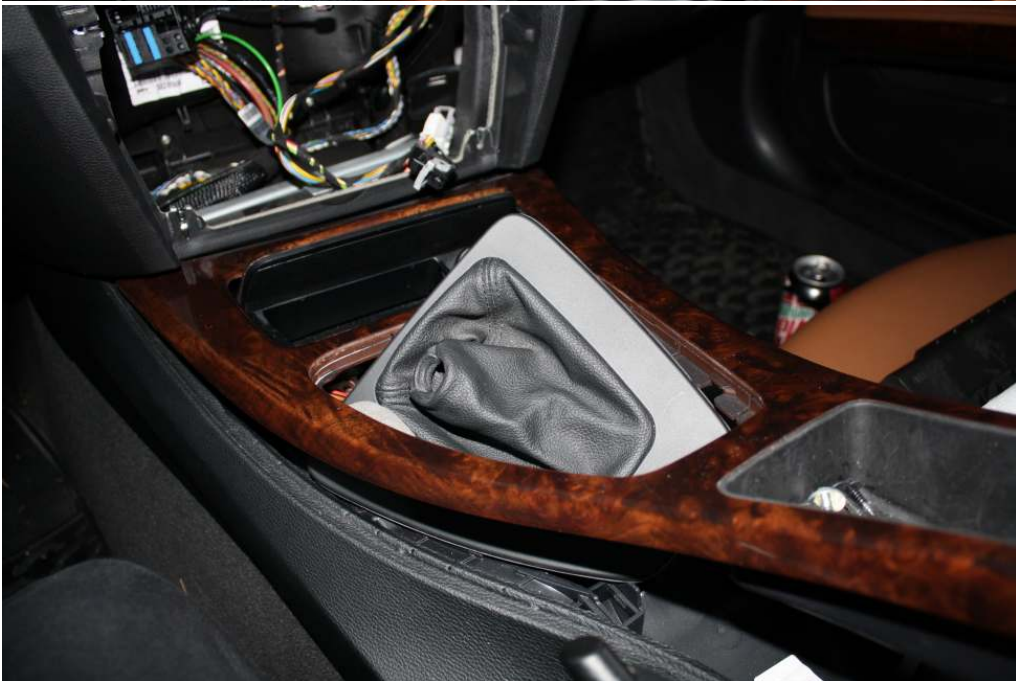


9. Now that everything is cleared out as shown above, lets move to the center console and the ashtray. Start by prying up the shifter surrounding. It will come up with just a slight pry with a flathead screwdriver.



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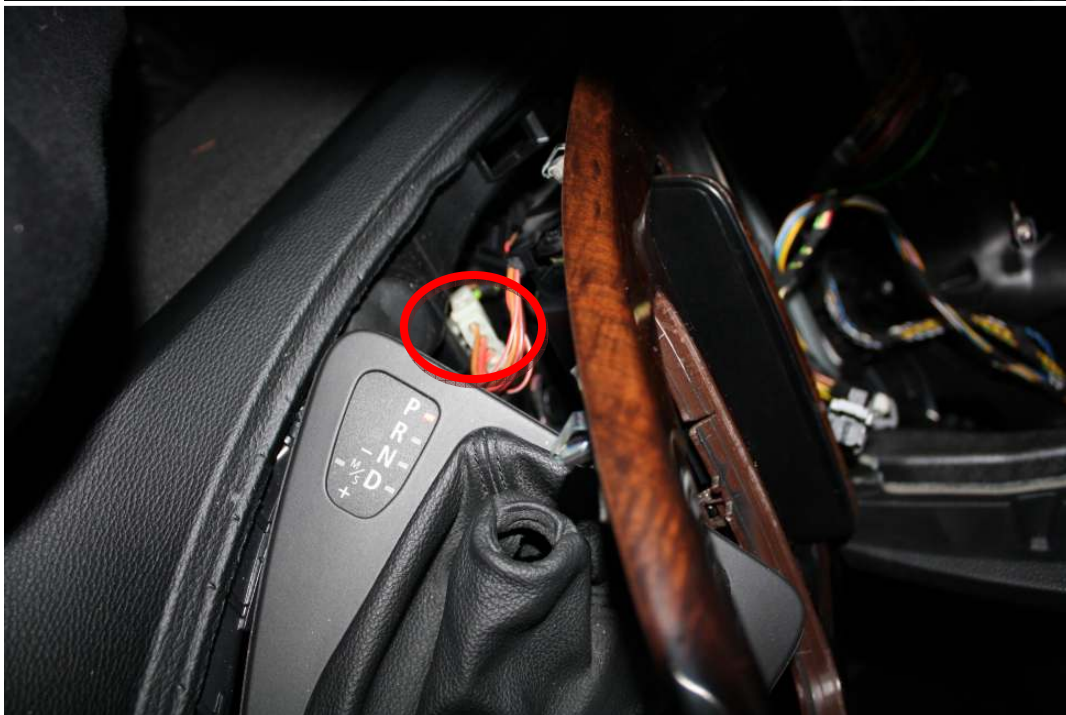
10. Pull off the shift knob by just pulling upward with some force, it will pop off.



11. Now you can pull the boot off the top and remove the plastic and rubber surrounding to make room to work with. You do not need to disconnect the cables or remove it completely, just like shown above.

12. Now pry up the center console by pulling like shown: (Note, armrest will need to be up)

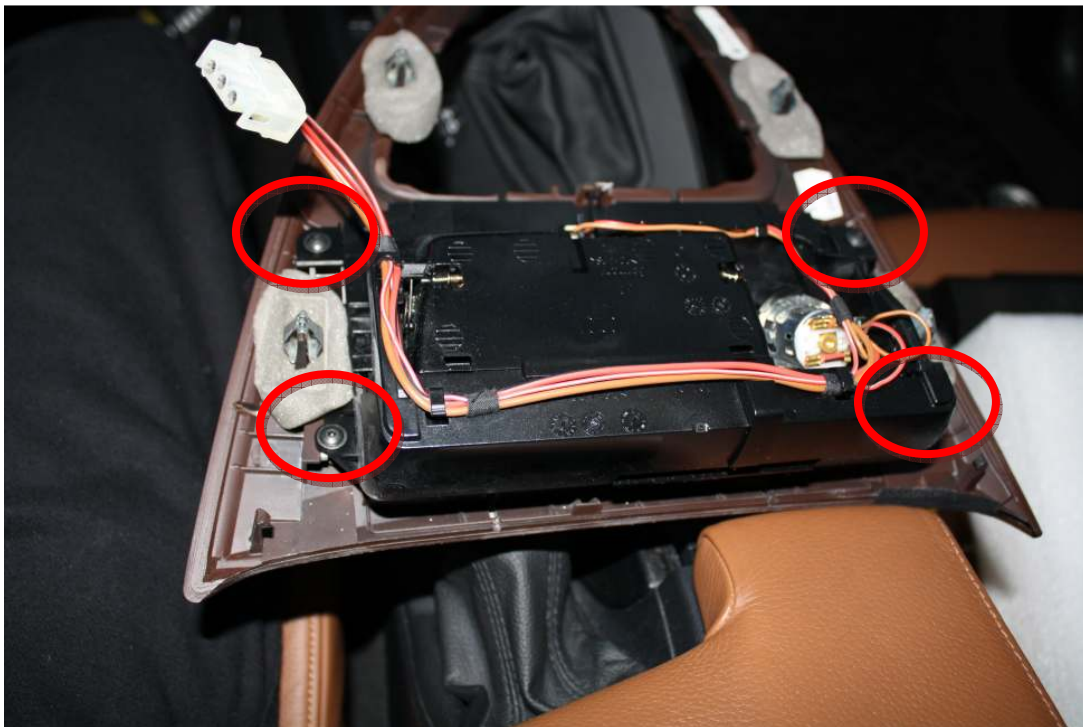
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13. Now disconnect the clips to the ashtray as pictured above and below. Press the sides in and slide away to remove the clip.



14. Now you can fully remove the center console and focus on the ashtray removal. Use a Torx T10 to remove the four screws holding the ashtray to the center console as pictured below.

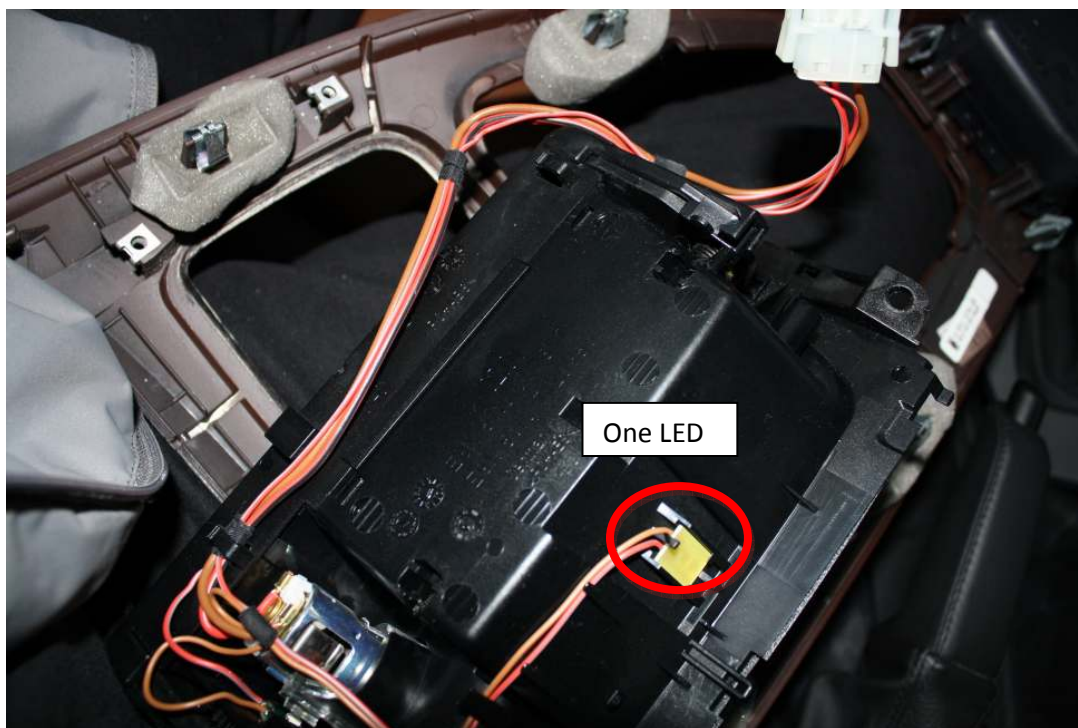




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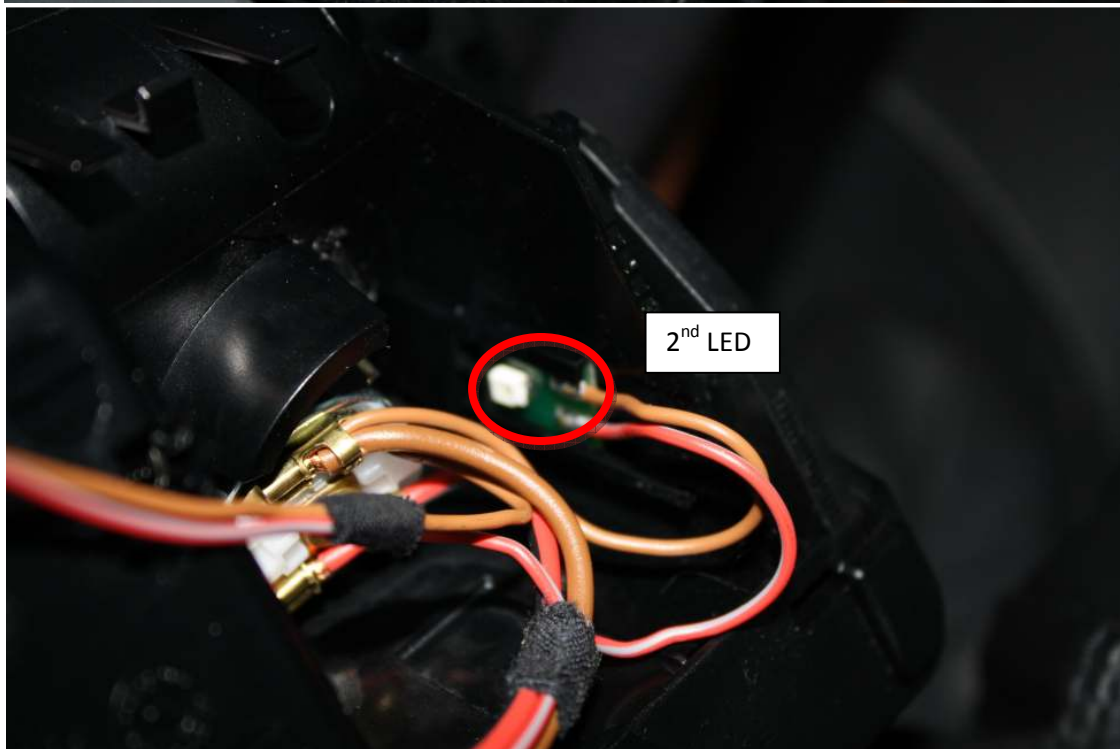
15. Now you need to disconnect the electrical parts of the ashtray. The wires are just tucked under plastic pieces so slide them out. As far as the LED's that light it up, press in on the plastic at the top of them and they will slide out.



16. To get out the cigarette lighter is a tricky process. If you look closely you can see tabs that hold it into the ashtray housing. You need to get small flathead screwdriver and press these in while applying pressure to push it out the top of the ashtray. With some persuasion you can get it done but it does take some time.

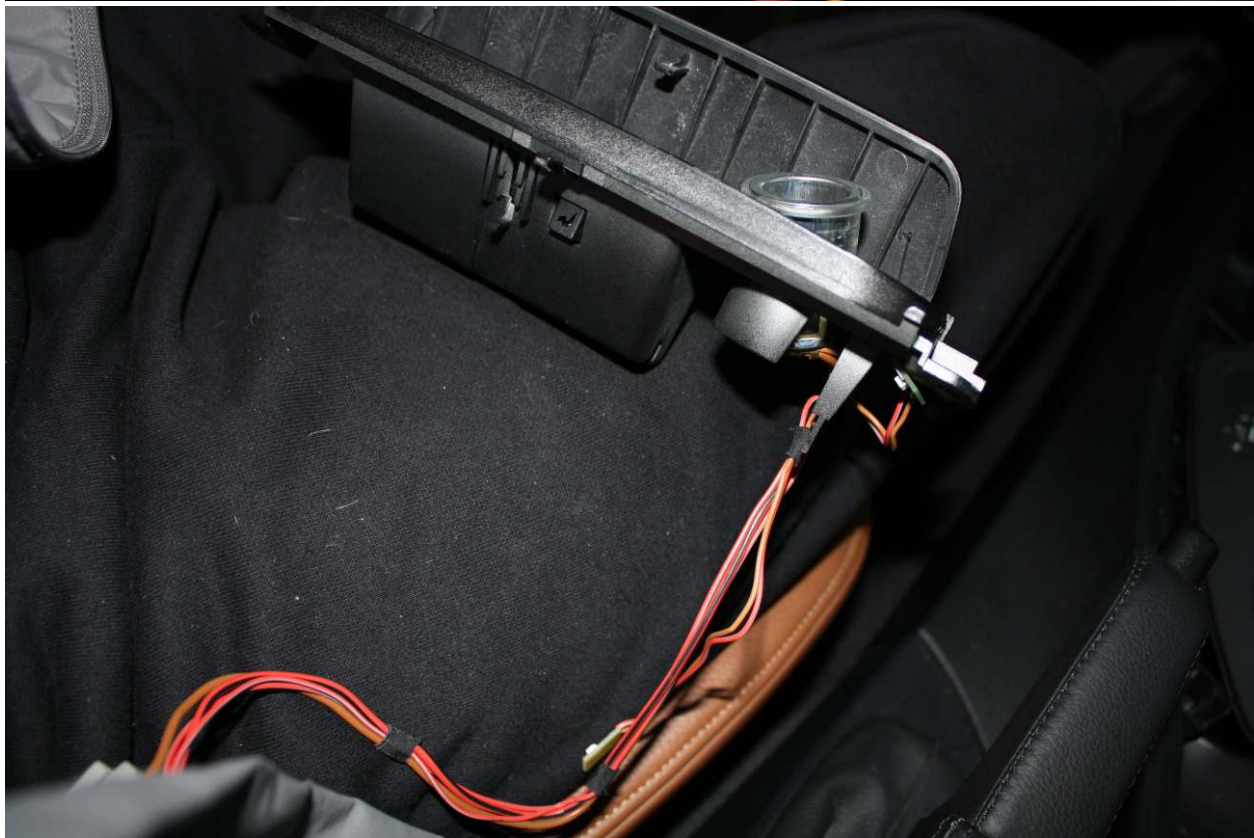


17. Now push the lighter through as well as the LED's and wiring harness with it.



18. Now install the LED's and lighter the same way in the Dynavin relocation piece as pictured below.

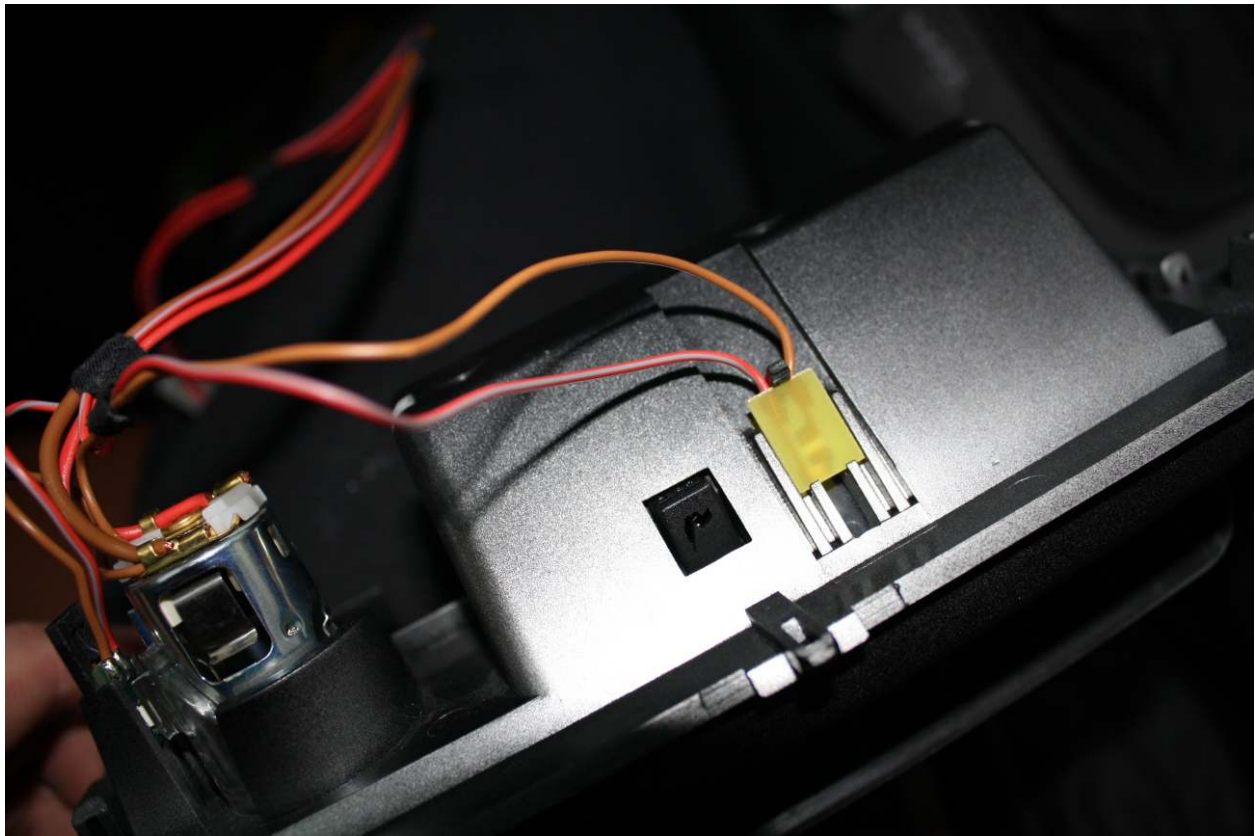
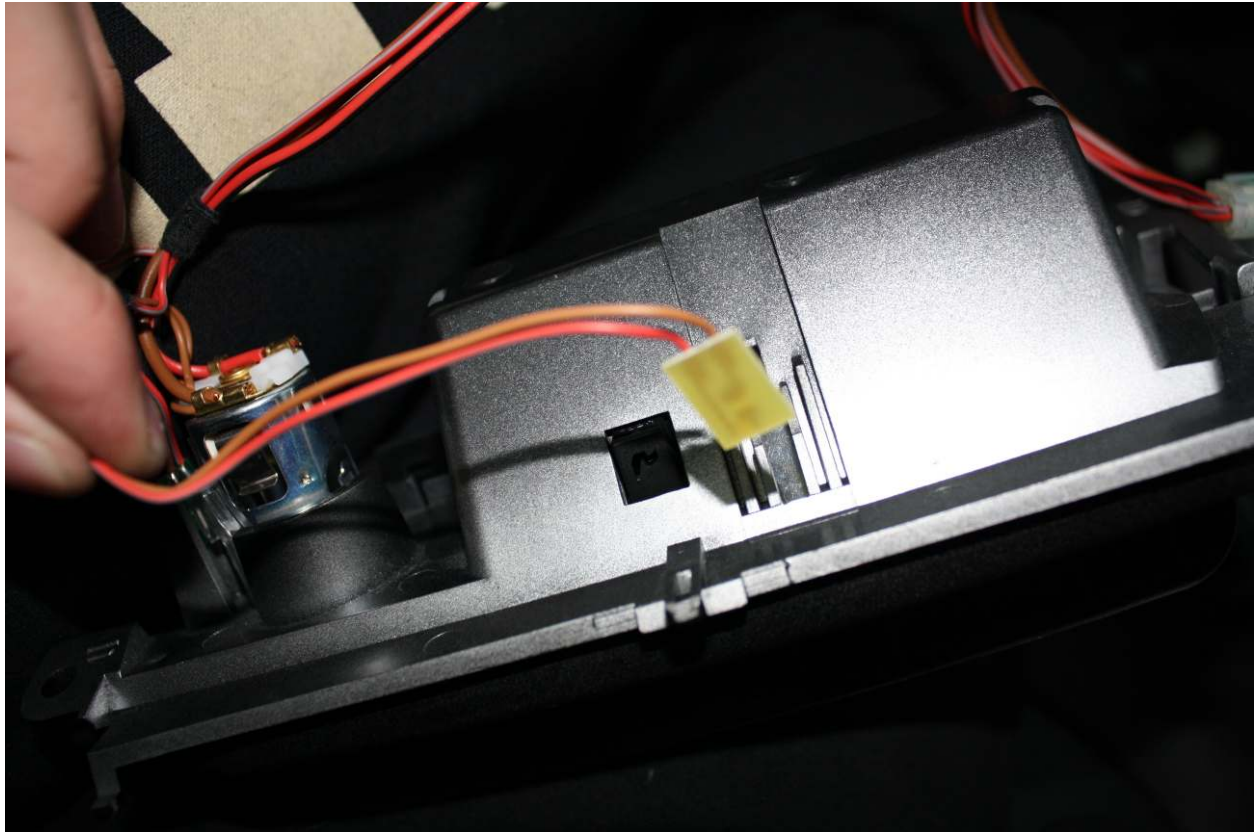
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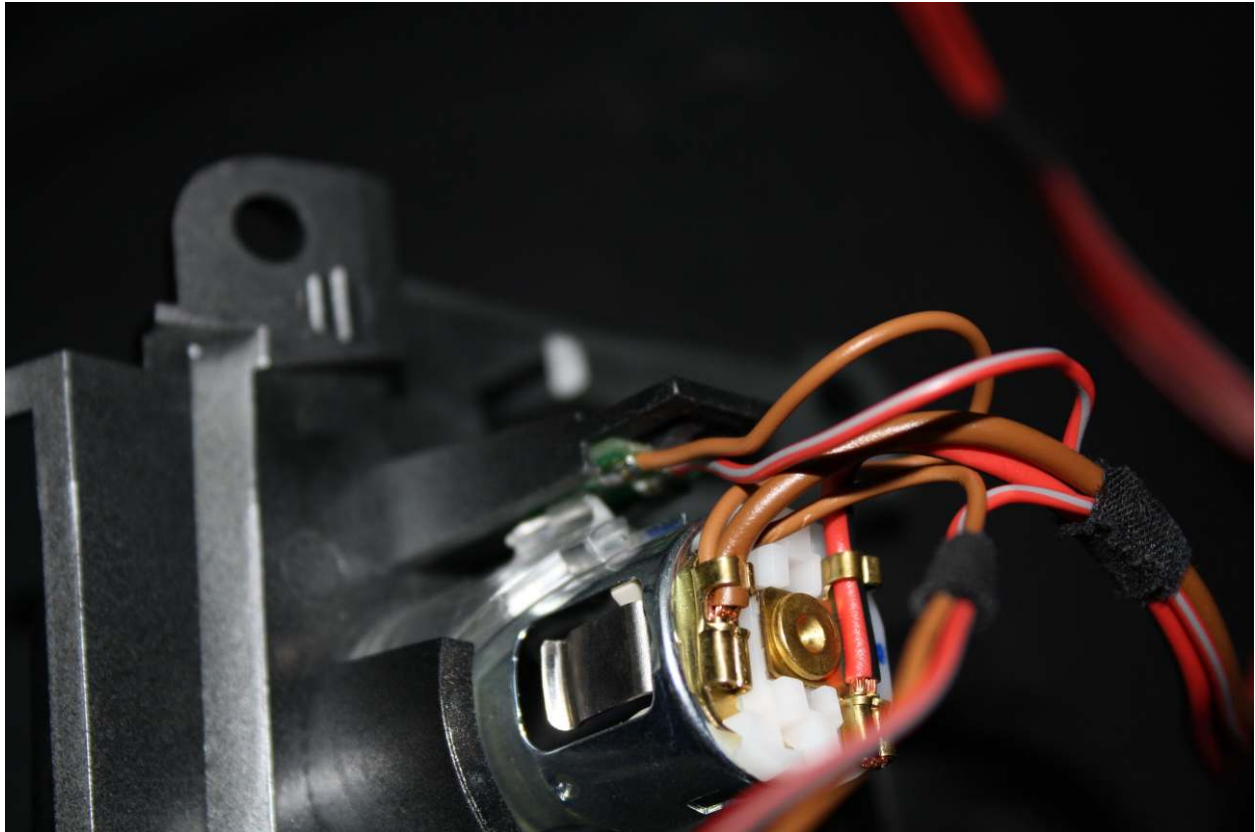
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19. Now snap the seat heater assembly into the Dynavin kit.



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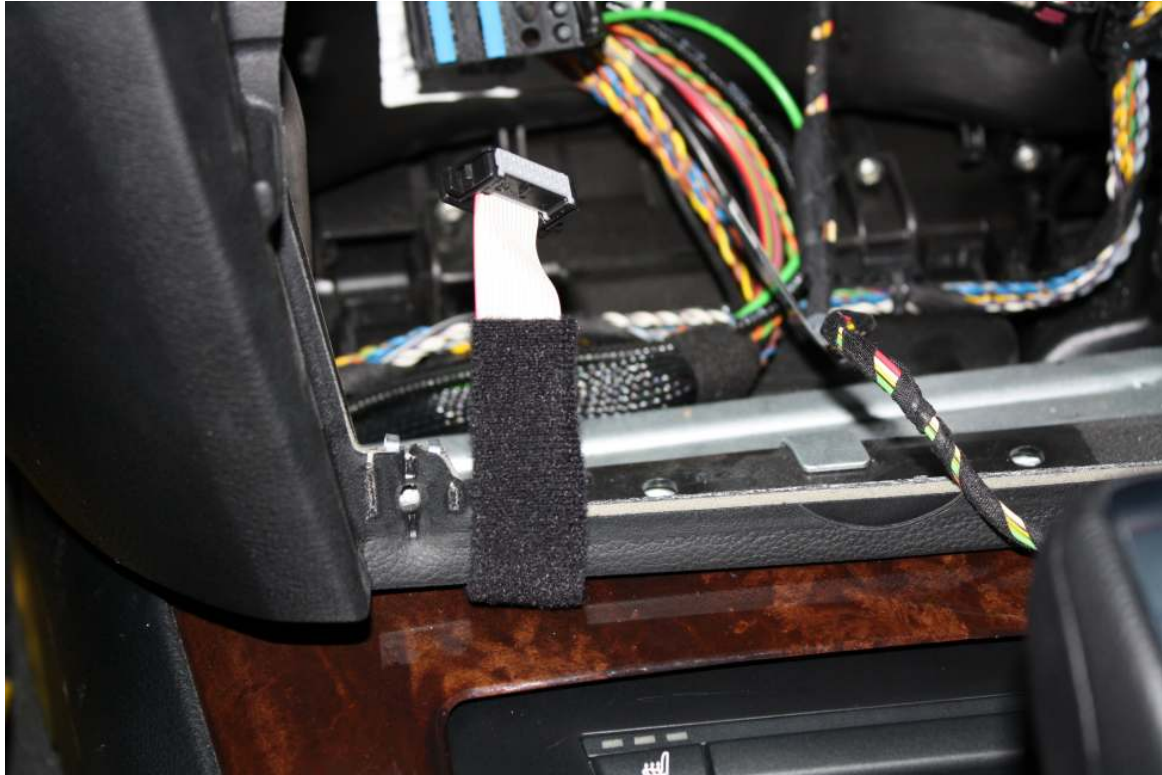
20. Now reinstall the whole assembly into the center console with the stock 4 Torx screws.



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21. Reconnect the stock connector and run the seat heater cable as shown. If you do not run it this way you will not have enough cable to reconnect it to the climate control module.





22. In order for the stock climate controls to fit into the Dynavin housing they need to be trimmed as shown in the pictures.

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23. Now you can snap the control module into the Dynavin housing.



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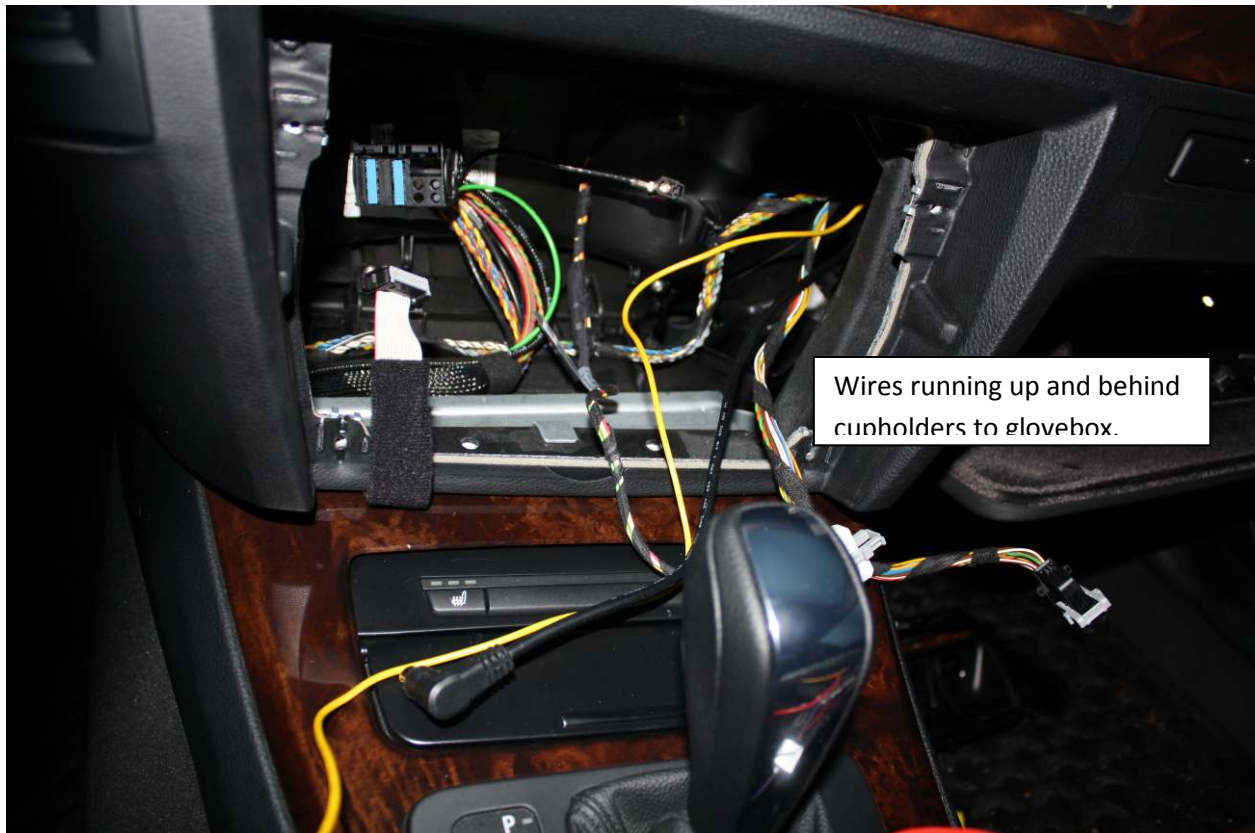
24. Now it is time to run the wires for the Dynaivn. Mainly the constant 12V wire to the glovebox. I chose to run the iPod cable to the glovebox as well.

- a. Open the glovebox and remove the plastic panel in the back by turning the two knobs on the sides.
- b. Run the wires above the cupholders and back down to the glovebox area. It is a tough area as it's cramped and very small, but you can somewhat reach up and towards the glovebox.

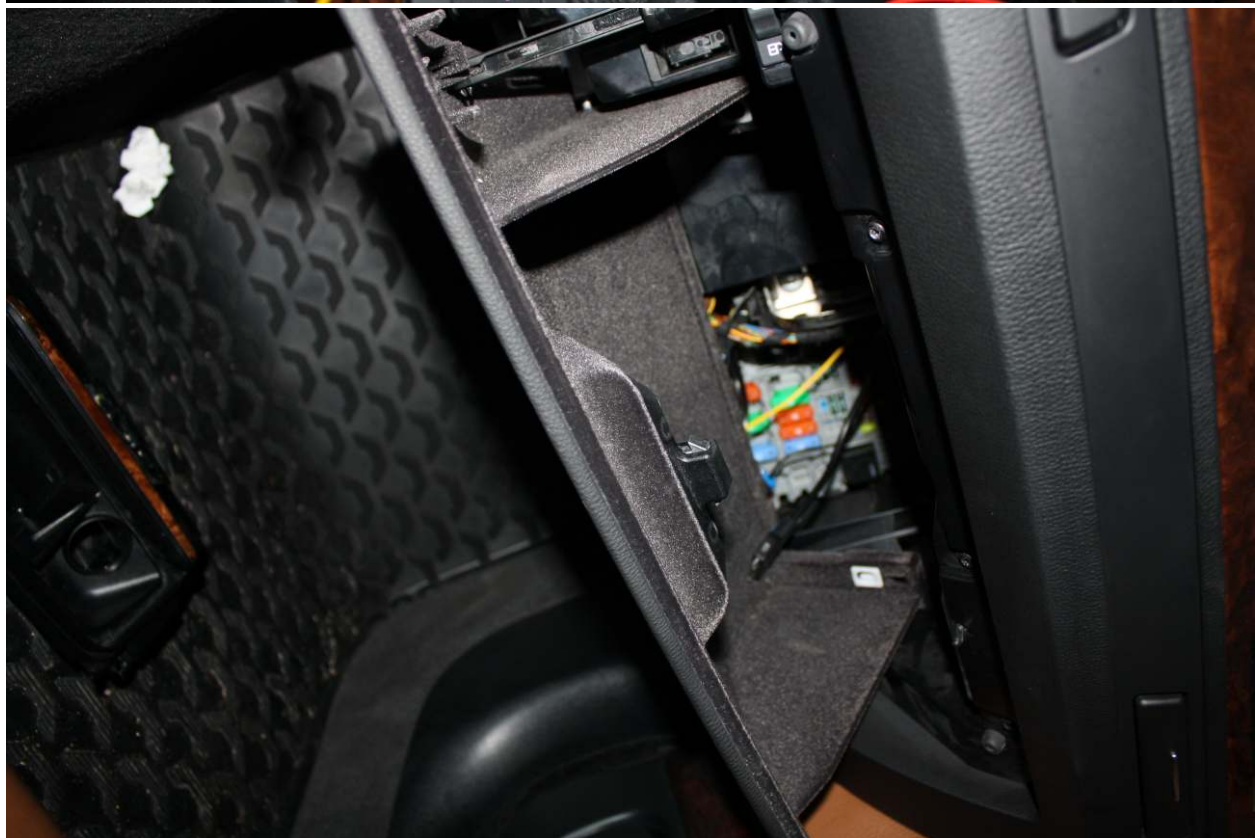


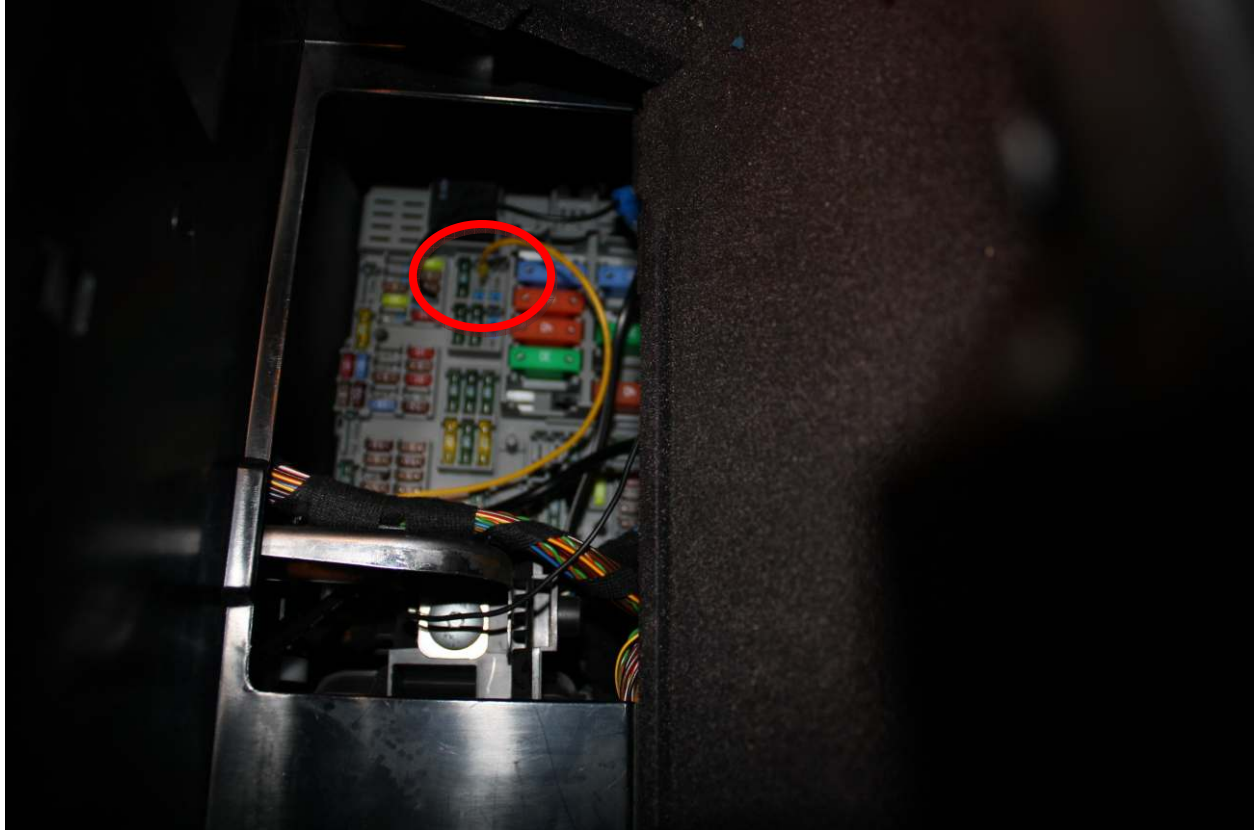


25. The following are pictures of where to connect the 12V from the Dynavin as well as trying to show how to run the wire with the iPod wire too.



Wires running up and behind cupholders to glovebox.

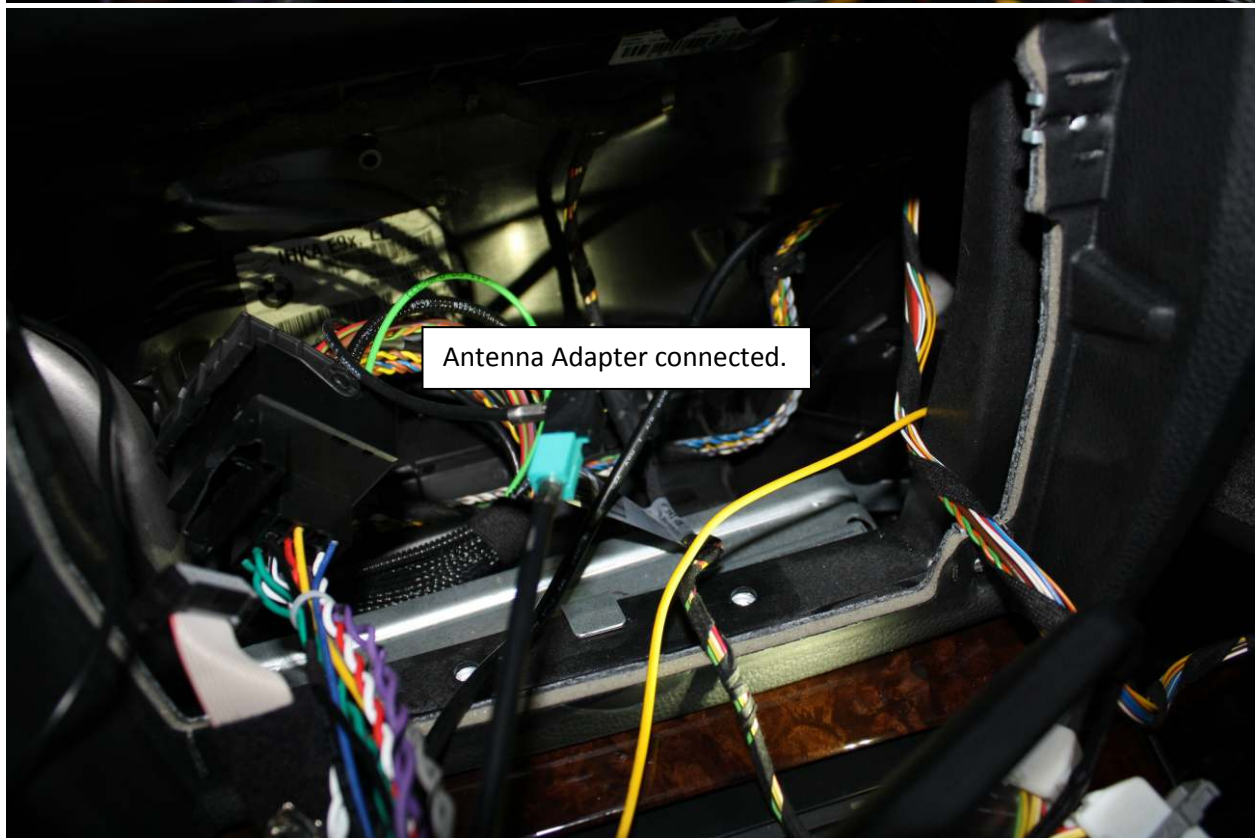
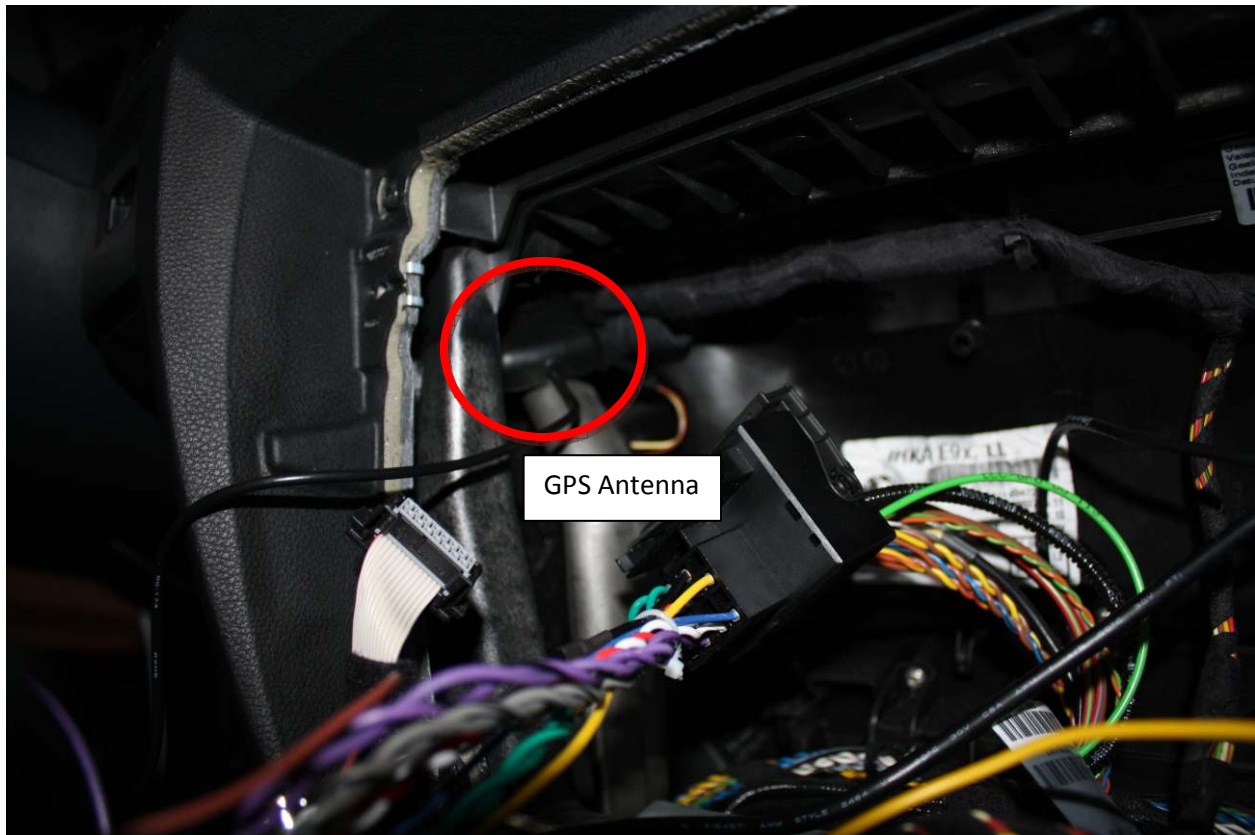




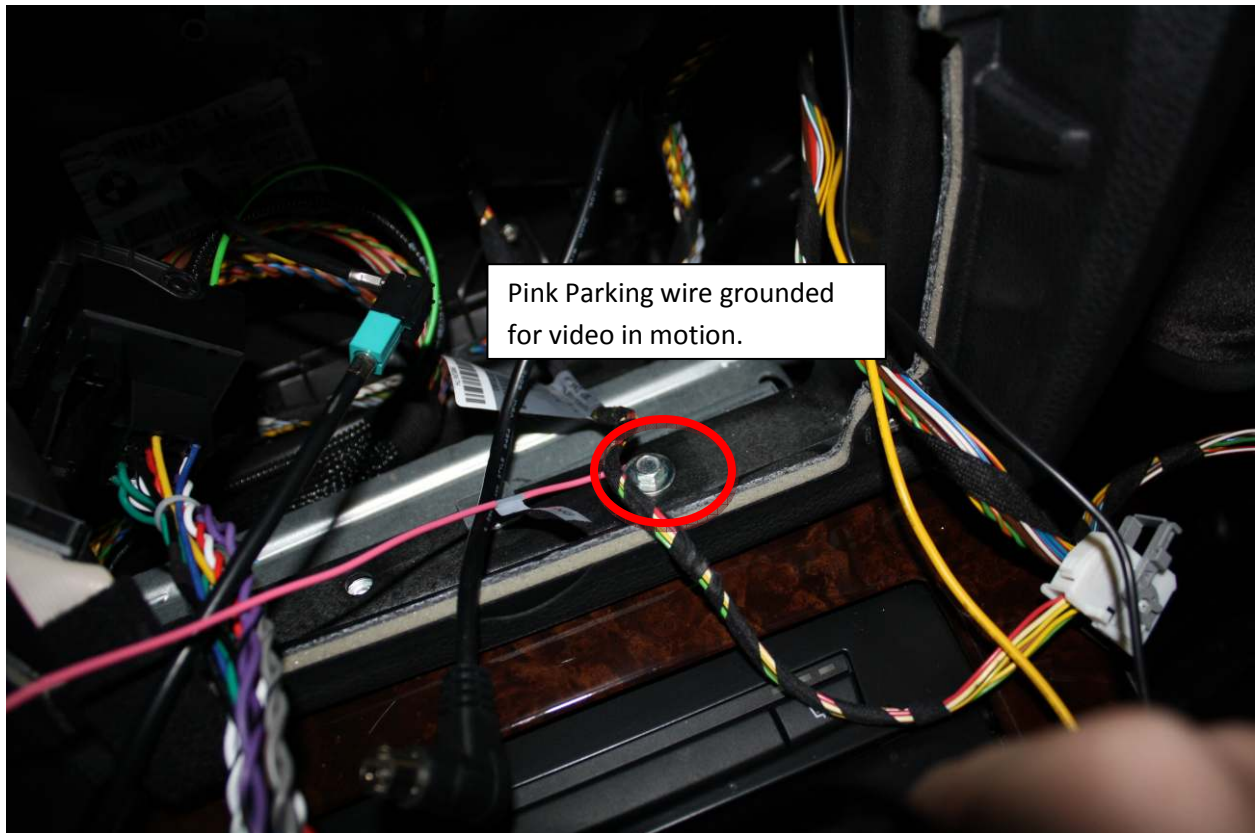
26. Now connect the harnesses to the CANBUS box as pictured below. Connect the antenna adapter as well. Mount the GPS Antenna as pictured on the metal tube, it will get signal here!



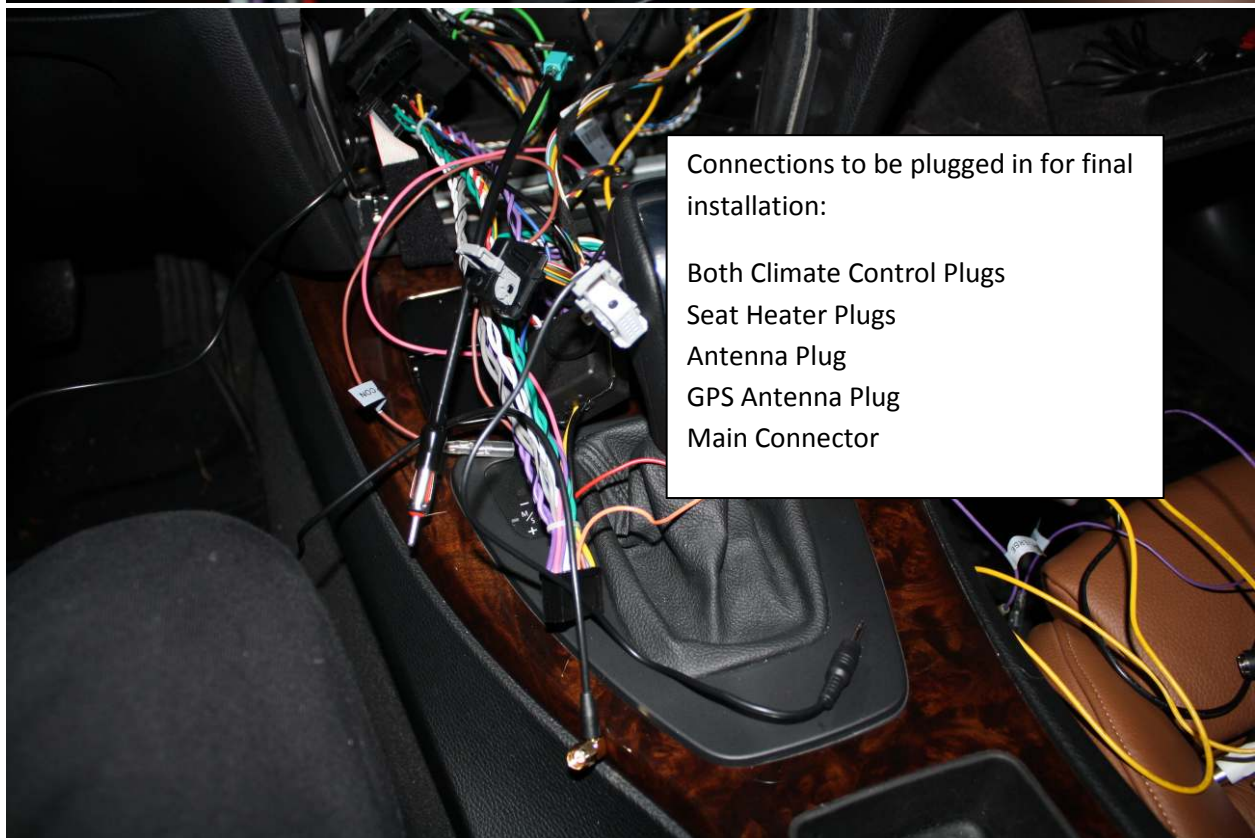
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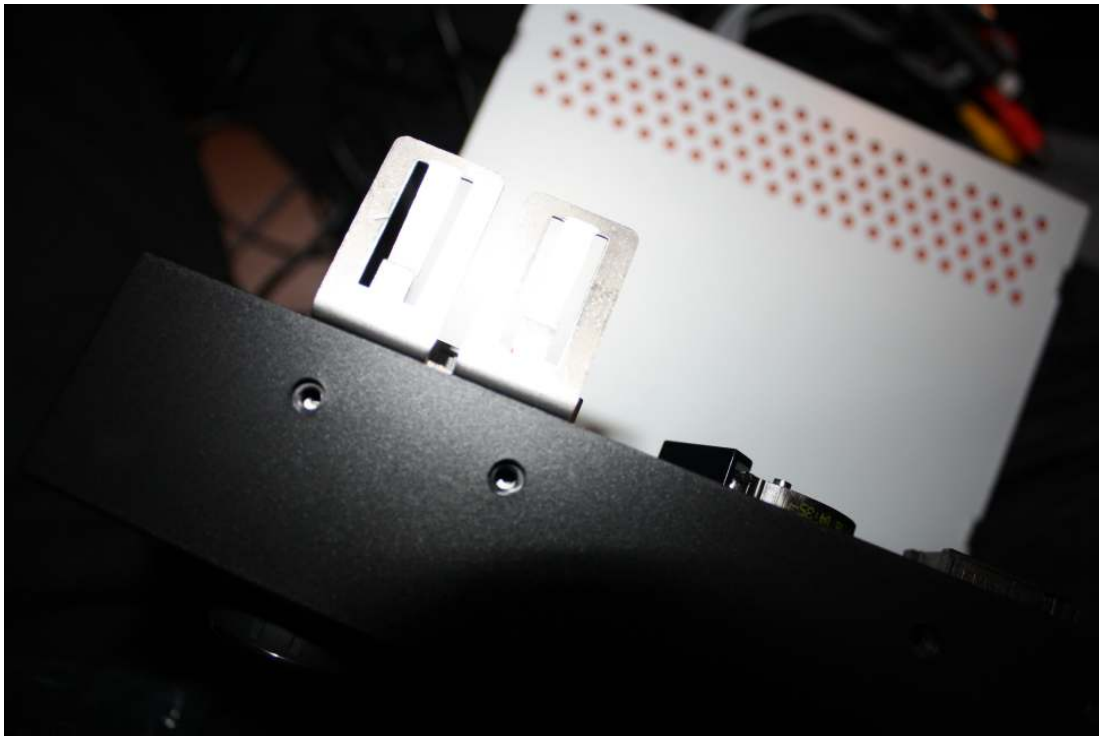
Pink Parking wire grounded
for video in motion.



Connections to be plugged in for final
installation:

Both Climate Control Plugs
Seat Heater Plugs
Antenna Plug
GPS Antenna Plug
Main Connector

27. Now you need to install the brackets in the bottom of the unit with the screws.



28. Now connect all the connections that were pictured above and push the unit into place. Make sure to get all the wires behind the unit and not caught anywhere. Also make

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sure the connections to the silver CANBUS box are extremely snug (maybe put some tape on them) as if they are not you will experience issues.



29. Now you can screw the two screws into the top of the unit and make sure the bottom is snug. Then install the plastic plugs into the screw holes to make everything flush.

30. Turn the car on and make sure everything is working properly.

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