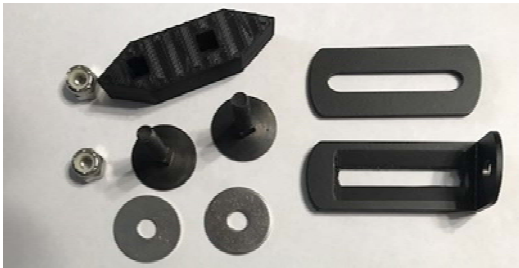


KIT HARDWARE



L-Bracket, Honeycomb Insert, Washers, Elevator Bolts, and Lock Nuts



Foam Gasket with Adhesive for back side of Bar



Wire Harness to Ground and Switch



Extension Harness



Butt Connector and Glue Heat Shrink for Switch Wire



**STEP 1:
REMOVE THE PINS FROM THE TOP OF THE GRILL PANEL**



REMOVE THE TOP PANEL



REMOVE THE BOLTS FROM THE TOP SIDE OF THE GRILL



Figure A: LOOSEN THE HEADLIGHT BEZEL BY GENTLY PULLING AND WORKING IT FROM THE TOP TOWARD YOU AND DOWN. THERE ARE PLASTIC CLIPS THAT HOLD IT IN PLACE. **THERE ARE 2 BOLTS ON BOTH SIDES HIDDEN BEHIND THE PANEL THAT HOLD THE GRILL IN PLACE.** THOSE NEED REMOVED AS WELL AS THE 2 PUSH PINS HOLDING THE RUBBERIZED SPLASH PANEL TO THE GRILL.

Figure B: UNPLUG ANY CONNECTORS IN THE OPENING ON TOP OF THE GRILL FOR THINGS LIKE TEMP SENSOR, FRONT CAMERA ETC. THEY ARE ALL IN THE OPENING WHERE THE HOOD LATCH IS.

Figure A:

Figure B:



REMOVE THE GRILL FROM THE TRUCK



NEXT STEP, ASSEMBLE YOUR LIGHT.

FIRST **ATTACH THE ADHESIVE BACKED GASKET TO THE BACK OF THE LIGHT BAR TO PROTECT THE GRILL AND ELIMINATE ANY POTENTIAL VIBRATION OR RUBBING.** TRIM ANY EXCESS.

NEXT REMOVE THE LOCK NUTS FROM THE END OF THE BAR AND THE BLACK CAPS FROM THEM SO YOU CAN USE A SOCKET TO THREAD IT ON OVER THE L-BRACKET.

ATTACH THE L-BRACKET TO EACH END OF THE BAR WITH THE 2 FLAT HEAD BOLTS SLID INTO EACH BRACKET ON BOTH ENDS. DON'T WORRY, THERE IS A LITTLE WIGGLE ROOM TO SLIDE THE BOLTS FOR FINAL ASSEMBLY, SO GO AHEAD AND BOLT THE BRACKTS ON AND THEN PUT THE RUBBER CAPS BACK ON.



NEXT, SNAP THE HONEYCOMB INSERTS INTO THE GRILL

Each insert goes in the second row from the bottom on the FAR right slot. The square guide holes are off center. The end with the holes closest to it, goes toward the center. Also note: The top side is FLAT and the bottom side has a slight angle to it where the grill slopes off.



Next, insert the light bar and guide the bolts through the Honeycomb insert holes. Here you can wiggle them a bit to be sure both sides of the bar are even. Once you bolt them down, you cannot make any more adjustments from side to side. **ALSO IMPORTANT! Be sure to fish the wire plug through the honeycomb hole to the bottom left of the insert BEFORE securing the light bar or you will need to remove the bar to insert it!**



Next on the backside, you would attach your back plate, fender washers and lock nuts. **TAKE NOTE:** You may not need to remove the back side of the grill (The portion with the active shutters) which will save time. The picture may show it without, but that was the initial development grill. If you can fit your fingers through and a long socket, you can save time here.



Now you can connect the wire harness extension to the prewired light plug and that will extend it the length of the grill. You will then run the extension out the bottom side of the grill that will be on the **PASSENGER** side. This gives you another quick removal plug in case you ever need to remove the grill without cutting wires. You may need to loosen a bolt? You may not on the backside shutter portion of the grill to get the connector **OUTSIDE** the passenger side of the grill. **DO NOT!! DO NOT!!** Run the harness through the back between the shutters! This will cause issues! See pic below where harness runs **BETWEEN** the two grills.



You can secure the harness INSIDE along the bottom of the grill with the push pin/zip ties in the pre-formed Ford Holes. (Notice the pics)



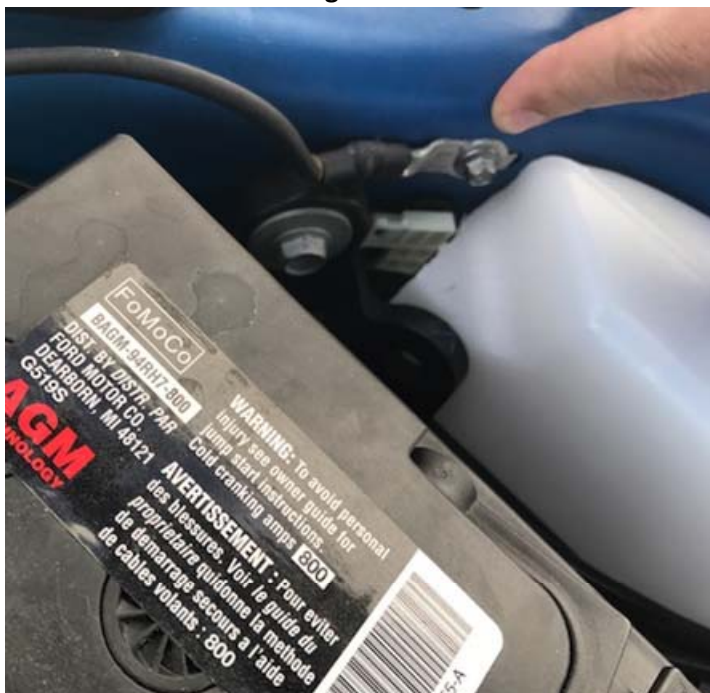
From there, you can reinstall the grill in REVERSE. You should then have access to the plug on the outside of the grill. This will allow you to run the final harness behind the passenger headlight and plug into that jumper harness.

RELAX! Your almost done!

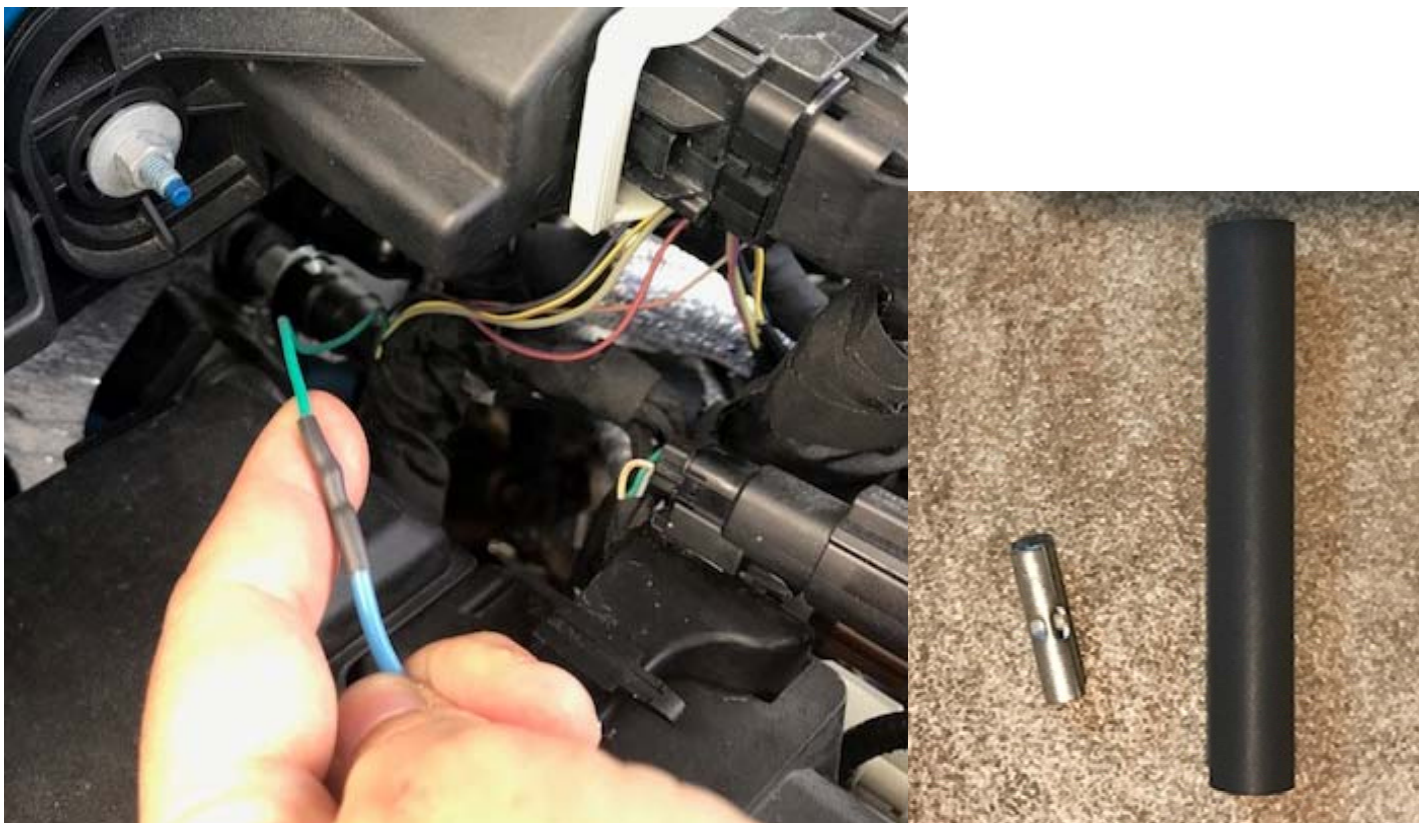
Your final harness has a ring terminal and a bare red wire. The ring terminal gets installed behind the ground bolt by the battery in figure C: And the red wire gets crimped to the wire of your choice, Figure D: (each of the 6 switches has a different colored wire as seen in photo on the fire wall. The solid GREEN is switch #1. If you want to use a different switch, refer to the Ford owners manual for color.

Figure C

Figure D



You will then attach the red wire to your chosen switch wire with the included butt connector and glue weatherproof heat shrink tube. **Be sure to put the tube on first or you'll be cutting the wire again.** If you don't have a heat shrink gun, get a cheap torch. You can use a lighter, but you can easily scorch the rubber tub with a flame if your not careful.



From there, zip up the wires that may be loose, and turn on your light! **YOUR DONE!!!**

