



Crawford Performance Overland Series
Front Bumper Light Pod Kit
2019+ Forester

L0005 Parts List

Part Number	Quantity	Description
W2203-1	1	Wire – Crosstrek Mirror Harness
L2270	3	Light – KC SlimLite LED 6” Spot Beam Black
B2243-1	1	Bumper – 18+ Crosstrek Front Bumper Kit



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Hardware:



Tools:

3/4" Socket



1/2" Socket



3/4" Ratchet Wrench 1/2" Ratchet Wrench 1/2" Ratchet Drive



14 MM Socket



14 MM Wrench



Estimated Install Time: 1 Hour

Install Difficulty: 2/10

Installation Instructions

Crawford Performance recommends all steps and procedures described in these instructions be performed while the vehicle is properly supported on a two-post vehicle lift with safety jacks.

Otherwise, park vehicle on a clean flat surface and block the front wheels for safety. Engage the parking brake. We Recommend keeping any OEM parts removed just in case this install needs to be undone.

1. Jack the front of the vehicle up and place on jack stands to make access to mounting points easier.
2. Locate the bumper mounting points on the driver and passenger side of the car



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3. Insert the provided step-down spacers into the mounting points so they sit flush with the plate



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- Steps 4-10 will be easier with a friend to help support the bumper in place. **Note:** Only the passenger side of the vehicle is shown, but the process in steps 4-10 is the same for both sides. Lift the bumper so the mounting tabs are positioned on the inside of the vehicles mounting points. Place a 1/2" washer over the provided 1/2" bolts and push it through the step-down spacer and front bumper hole.



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5. Place a 1/2" washer on the exposed 1/2" bolt on the inside of the bumper.



6. Thread on the 3/4" nut to the exposed bolt end by hand



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7. Place a 5/16" washer over the provided 5/16" bolt and push it through the rear hole on the mounting plate and bumper.



8. Place a 5/16" washer over the exposed 5/16" bolt end.



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9. Thread on a provided 1/2" nut to the exposed bolt end by hand.



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10. Adjust bumper position to desired location and tighten down the hardware on both sides. Torque the 1/2" bolts to **60 ft-lbs**. Torque the 5/16" bolts to **30 ft-lbs** (3/4" Socket, 3/4" wrench, 1/2" Socket, 1/2" wrench).

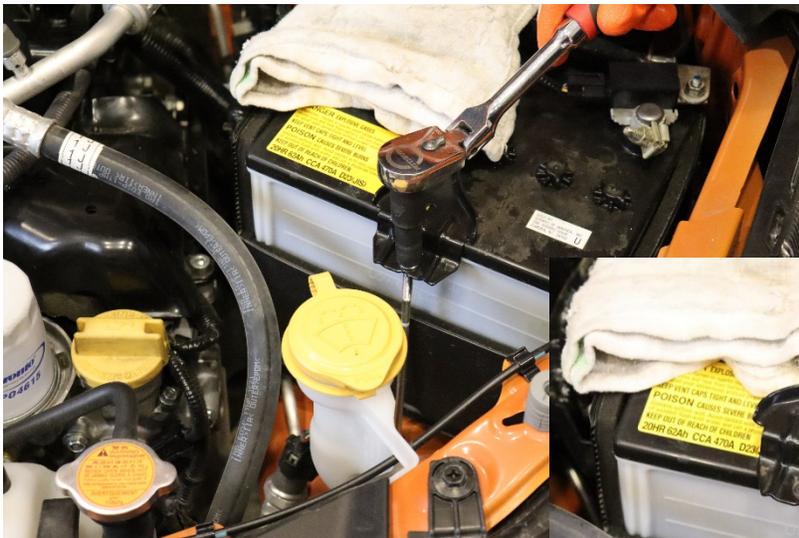


Wiring Harness Installation

1. Remove the positive battery terminal and set on rag to avoid shocking or sparks.

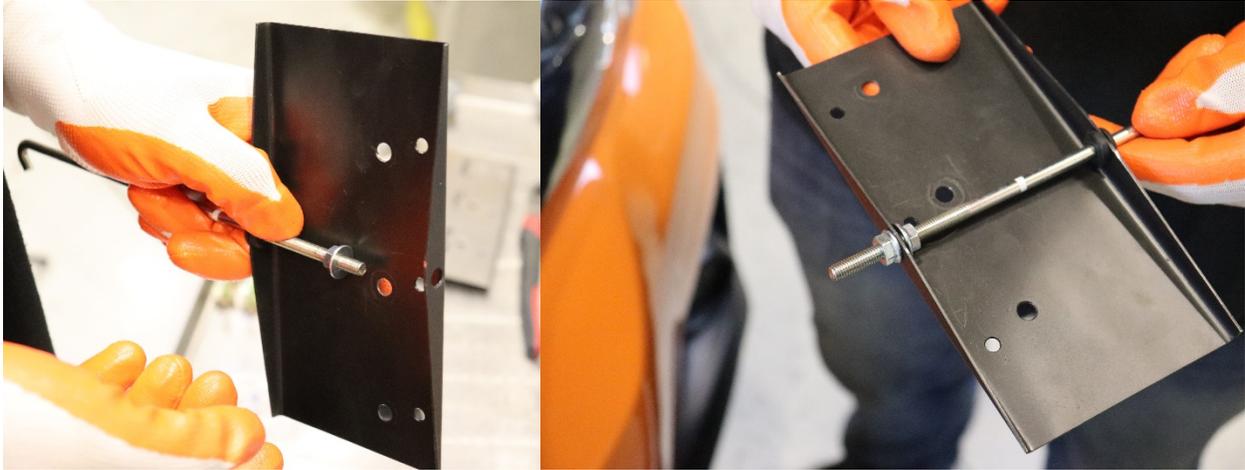


2. Remove the Battery Brace Strut. (10 MM Socket)

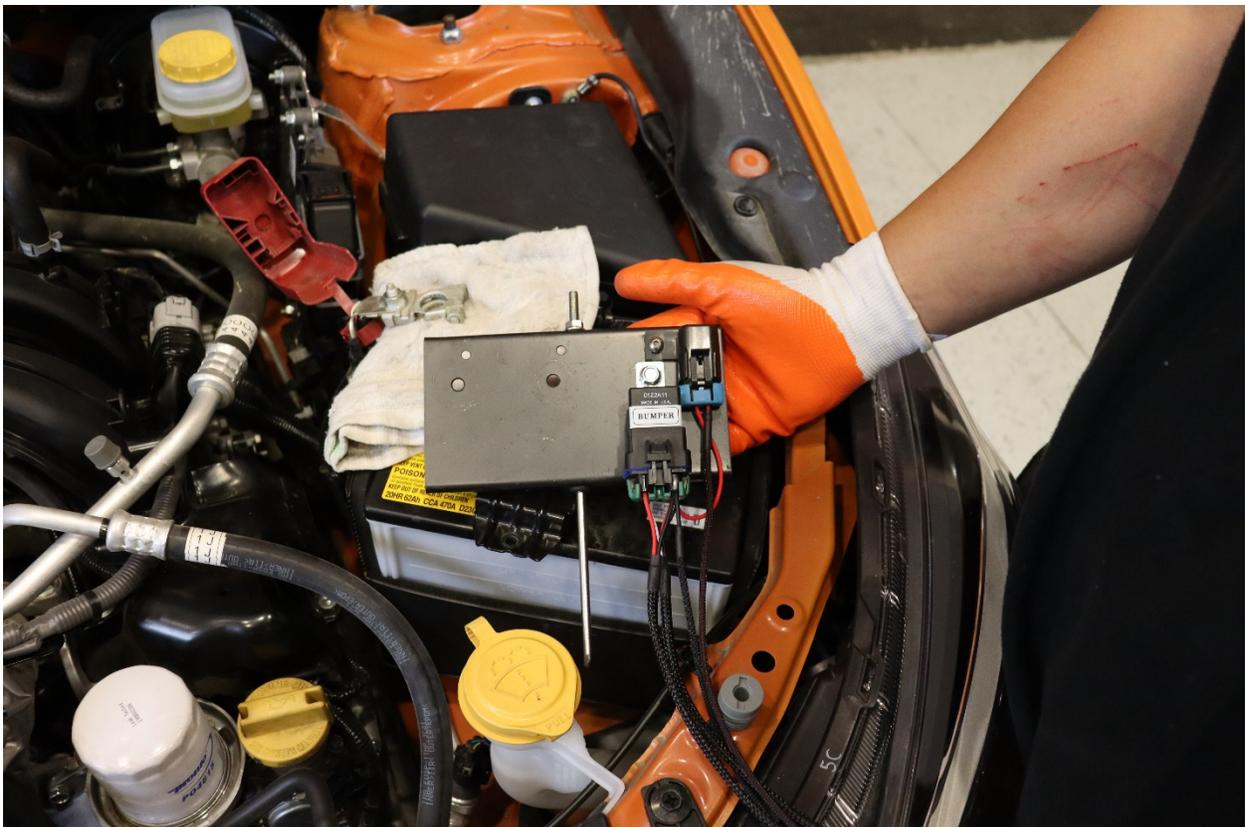


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3. If the optional circuit board bracket was purchased with the kit, slide the bottom end of the relay mounting plate over the battery brace strut. Thread the supplied nut onto the strut about 2 inches down the strut body. This nut will be used to support the relay plate and prevent it from sliding. Slide the strut through the top of the relay plate and pinch it in place with another provided nut. If the circuit board bracket is not being used, you will need to find another spot to mount the relays and fuses.

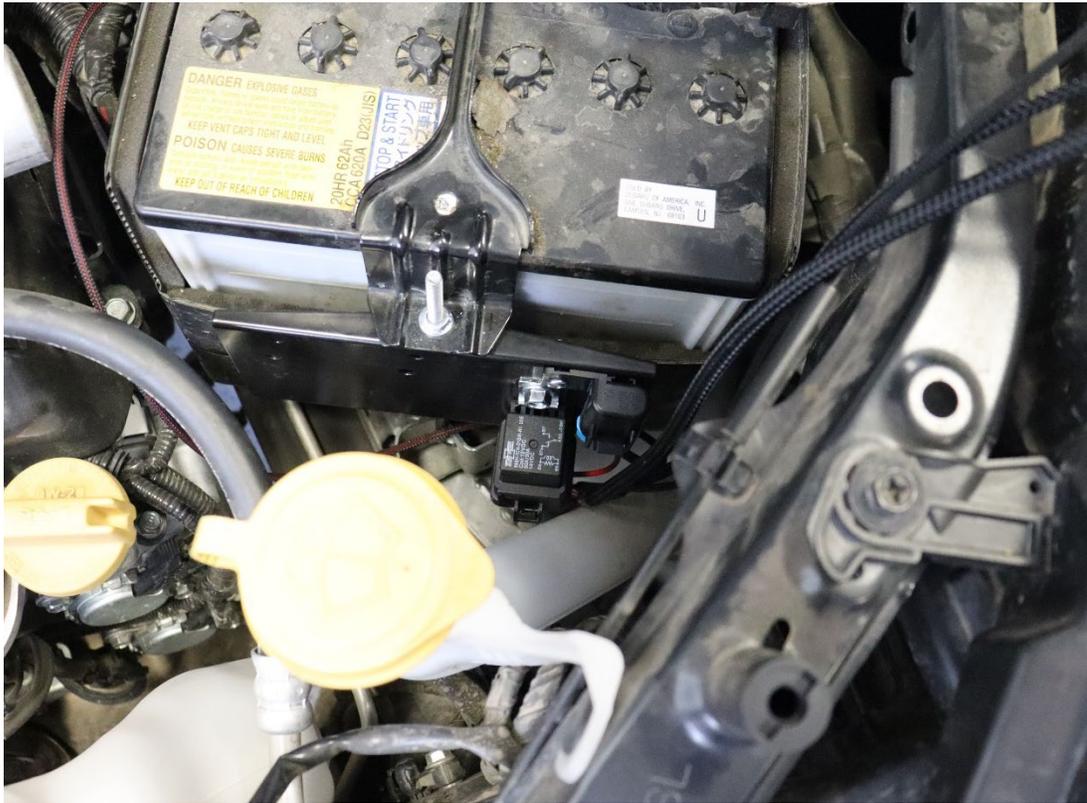


4. Attach the hood light pod relay to the relay plate. (position on the plate does not matter)



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5. Secure the battery strut and relay plate by re-inserting it back to its OEM position and securing with the OEM nut removed in step 2. (10 MM Socket)

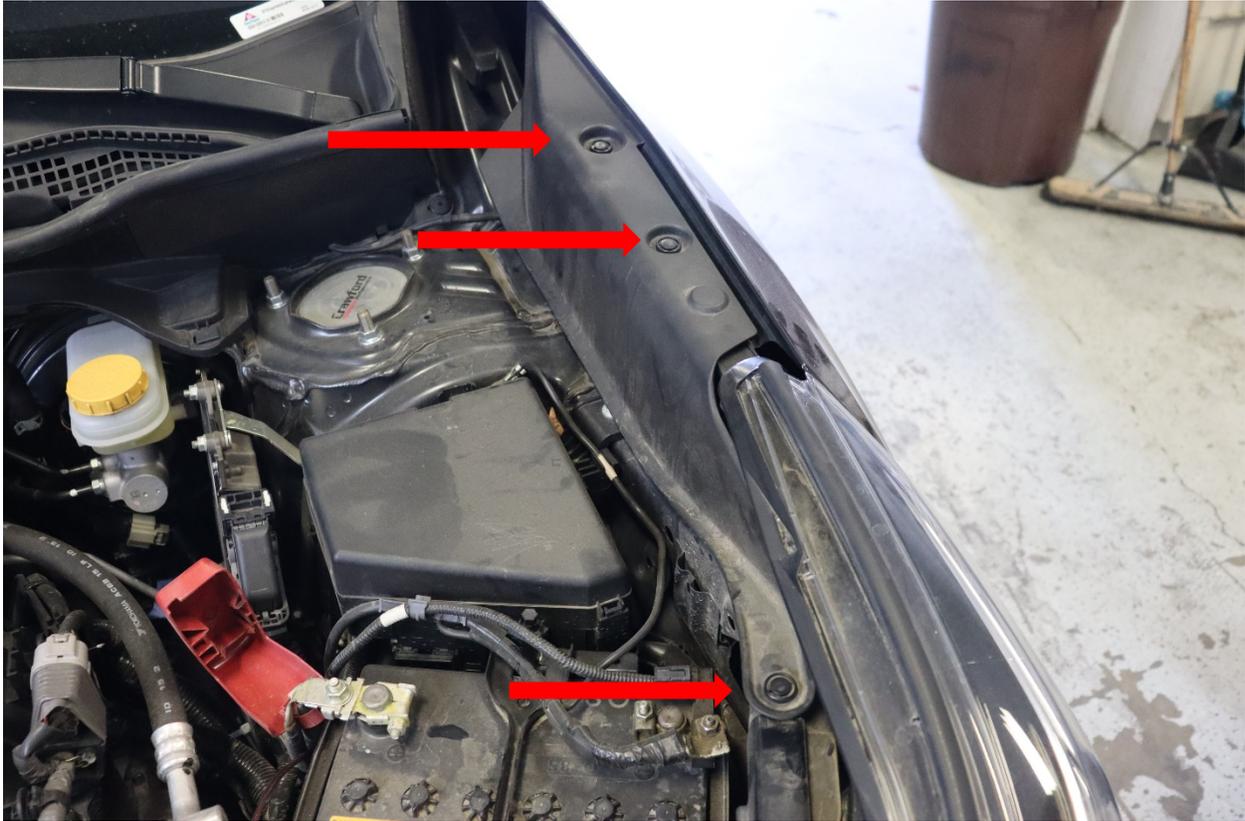


6. Set Wires aside after installing the relay and fuses onto the circuit board.



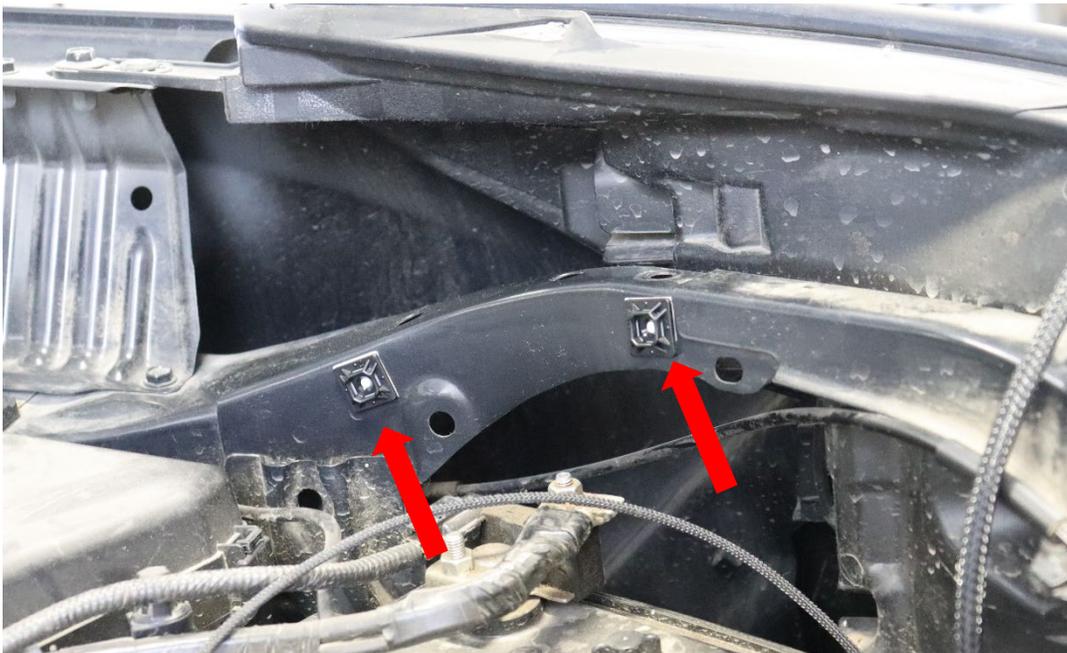
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7. Remove the plastic fender trim on the driver's side of the engine bay by releasing the indicated plastic clips. (Flat Head Screwdriver)



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8. Prep the areas shown below to receive a sticky tab. Clean the fender support frame with brake clean or some other degreaser to get the best results. Attach tabs to the locations shown below. Fasten the wires once the tab is set, but do not cinch down on the wires. Only the switch wire and the ground wire should be routed through these tabs.



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9. Zip tie the switch wire to the exposed OEM wire at the top of the fender support as shown below.



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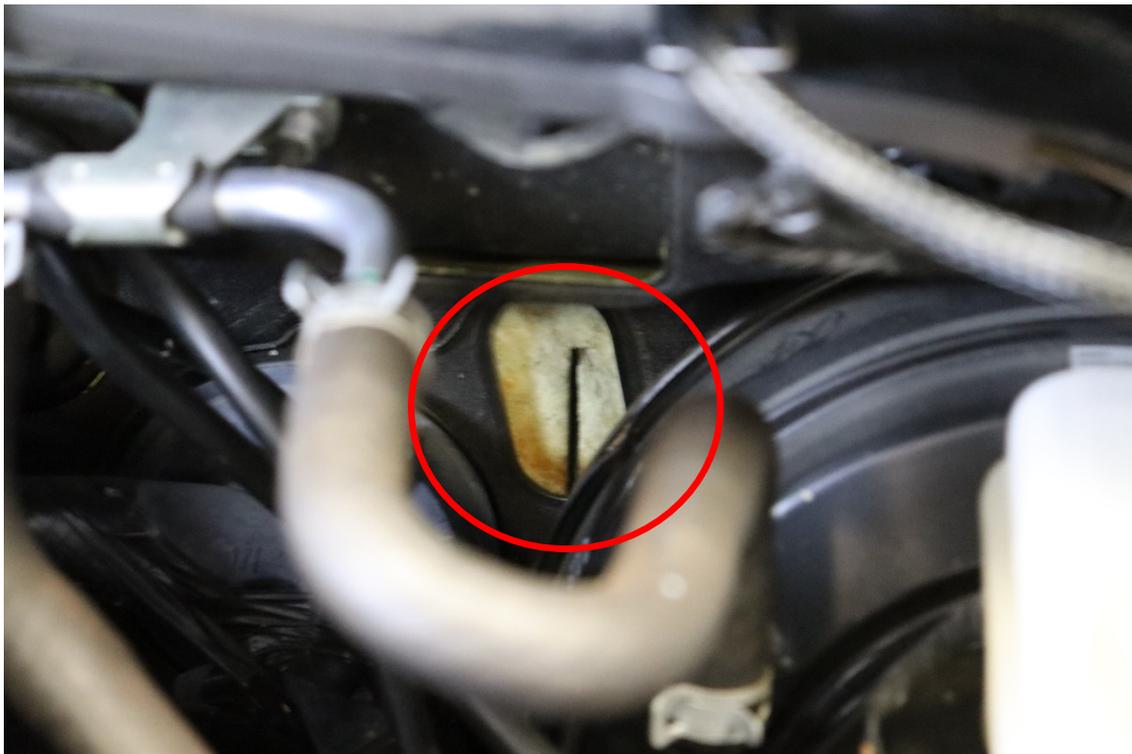


10. Clean off the area indicated below in preparation for a sticky tab to be placed down. Do not fasten any wires into the tab yet.



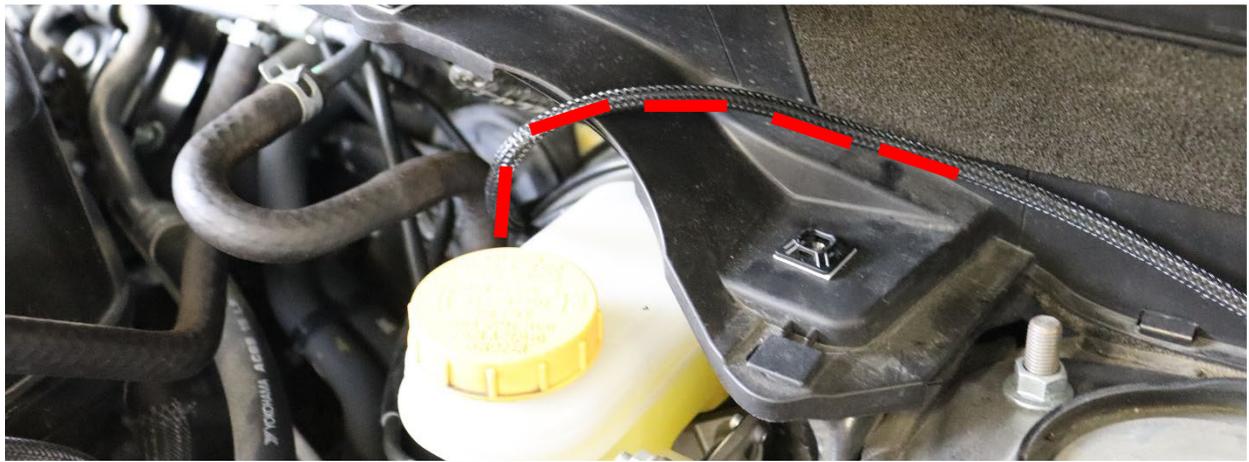


11. Next will be routing the on/off switch to the interior of the vehicle. Start by removing the plug in your firewall behind the master brake cylinder. The hole is shown below after the plug is removed.



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12. Route your switch wire into the vehicle through the hole mentioned in step 11. It will be easier if the switch is removed. Take note of the wire orientation after removal. The black wire is on the gold terminal, the white wire is on the middle terminal, and the red wire is on the top terminal.



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14. Drill out your fuse panel cover to receive the switch. You will need about a 3/4" hole for a tight fit.



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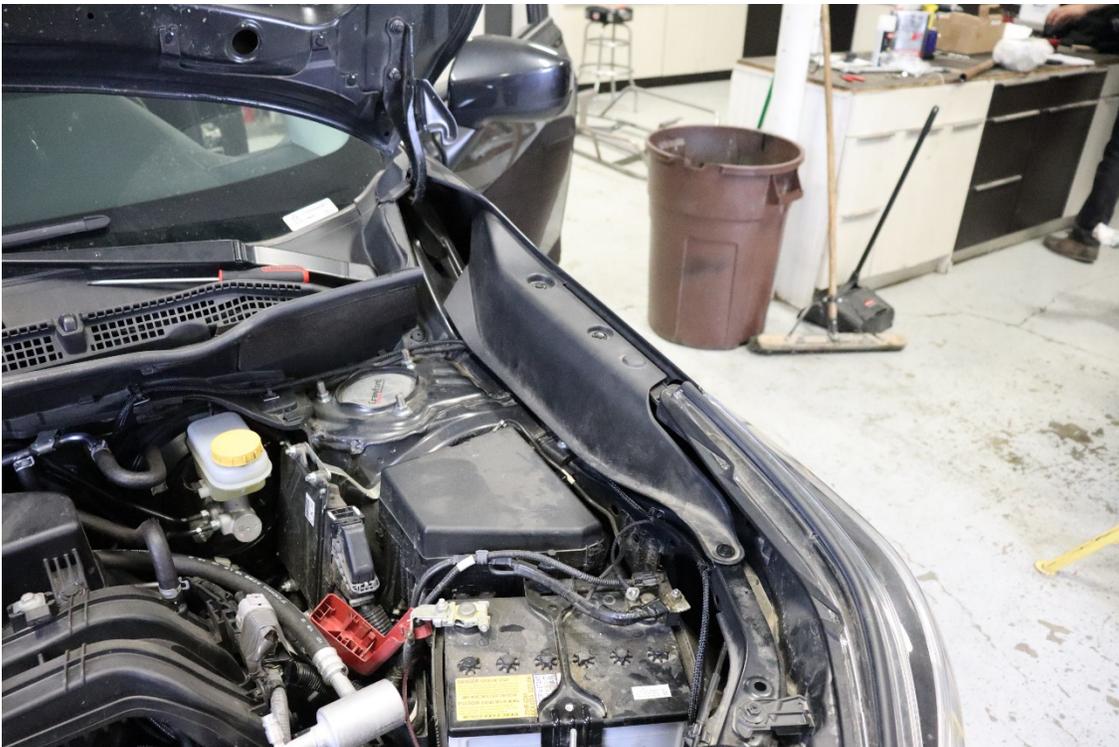


15. Rewire the switch as shown. Black wire on the gold terminal, white wire on the middle terminal, red wire on the remaining terminal. Once completed, reinstall the fuse panel cover.



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16. Return to the engine bay of the vehicle. Secure the switch wire using the sticky tabs laid down in steps 8 and 10 using the provided zip ties. Re-secure the plastic fender structure cover.

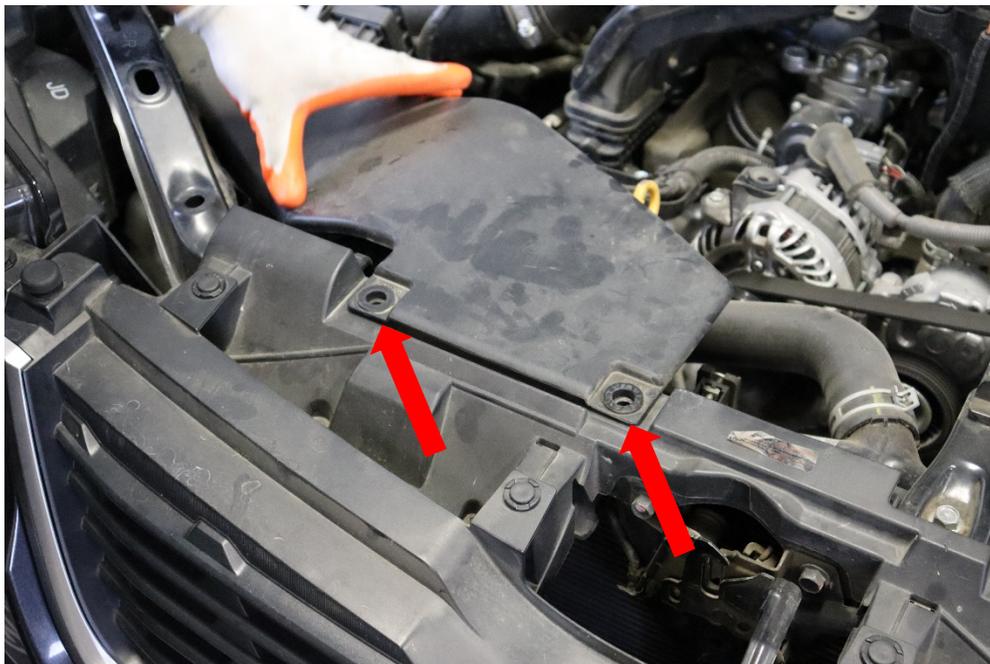


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17. Begin removing the 10 indicated plastic fasteners to gain access to the area behind the grill. This is where the wires for the bumper light pods will be routed. (Flathead Screwdriver)

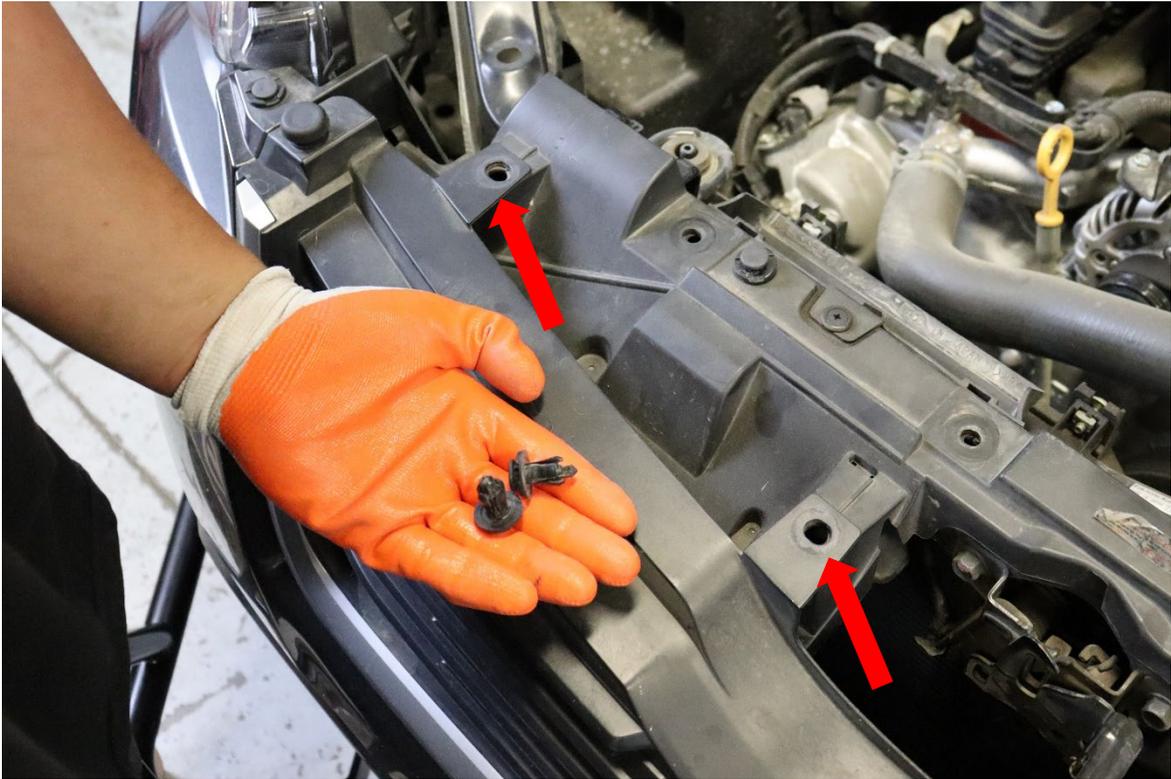


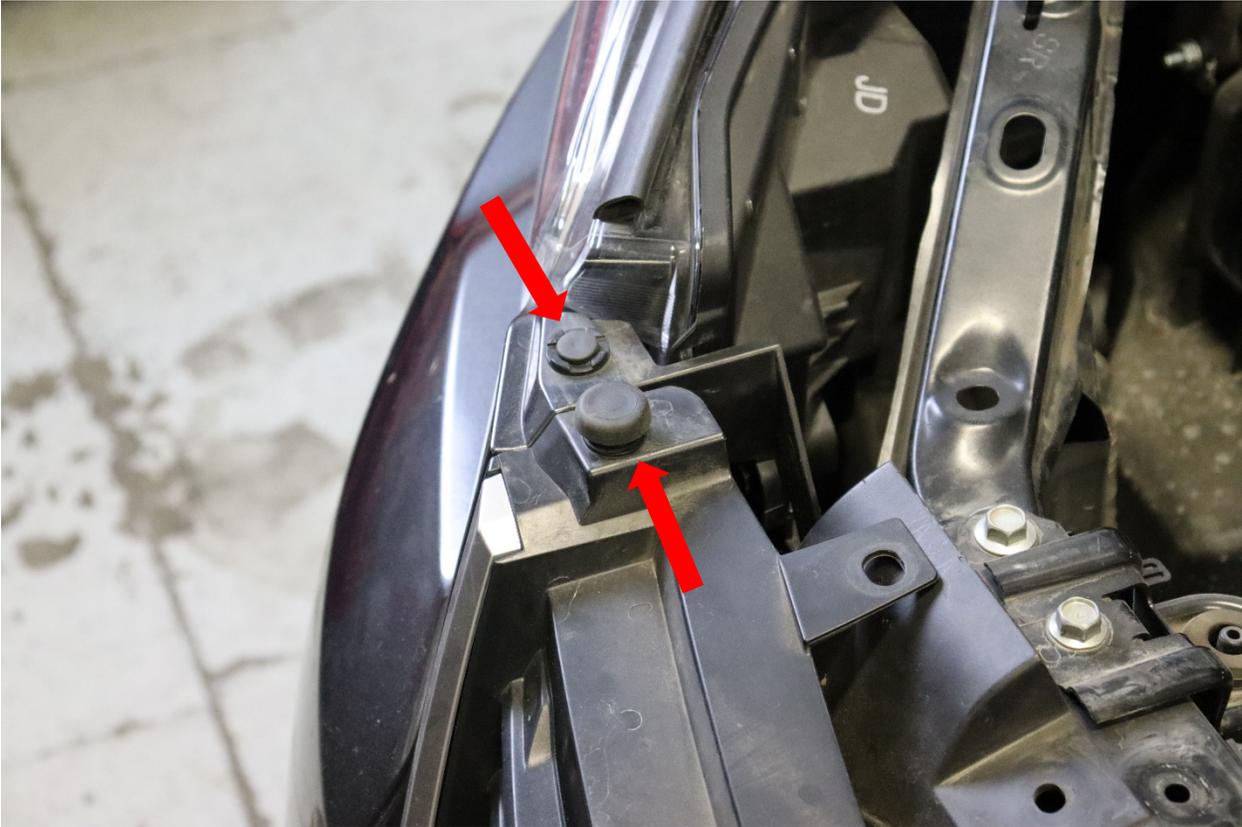
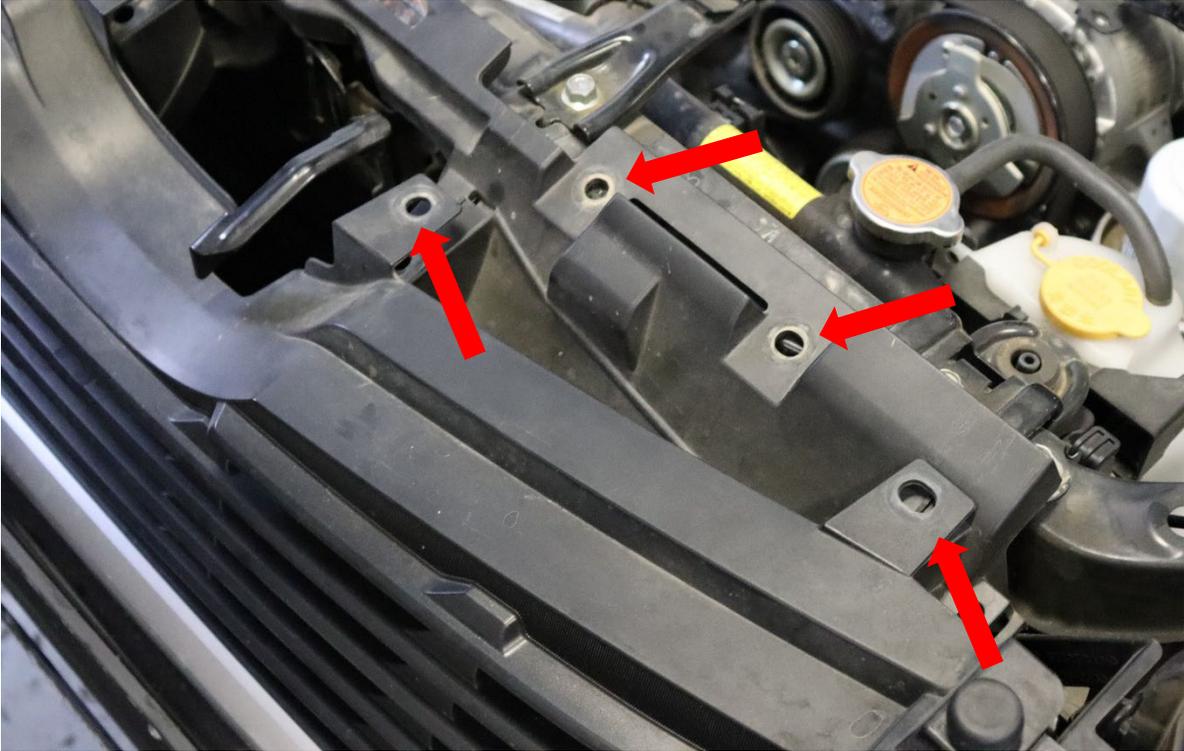
18. Remove the air filter inlet tube.





19. Remove the driver and passenger side grill supports.



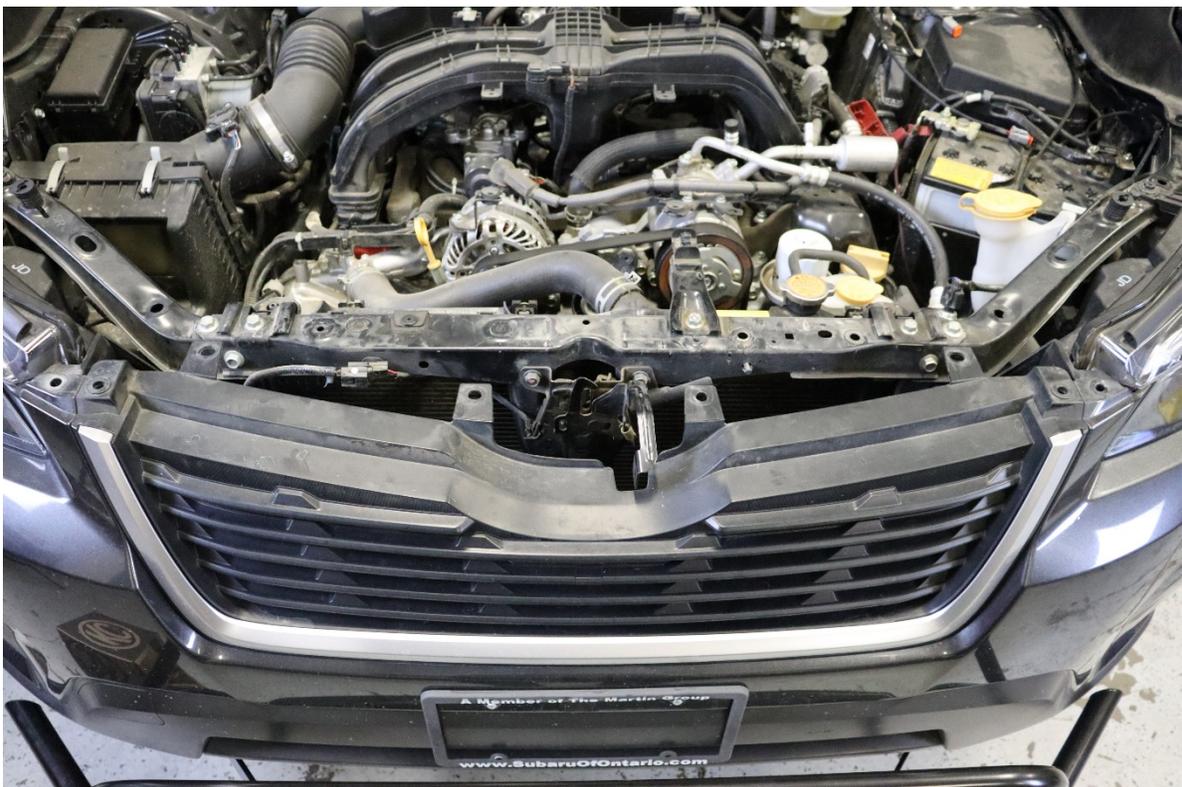






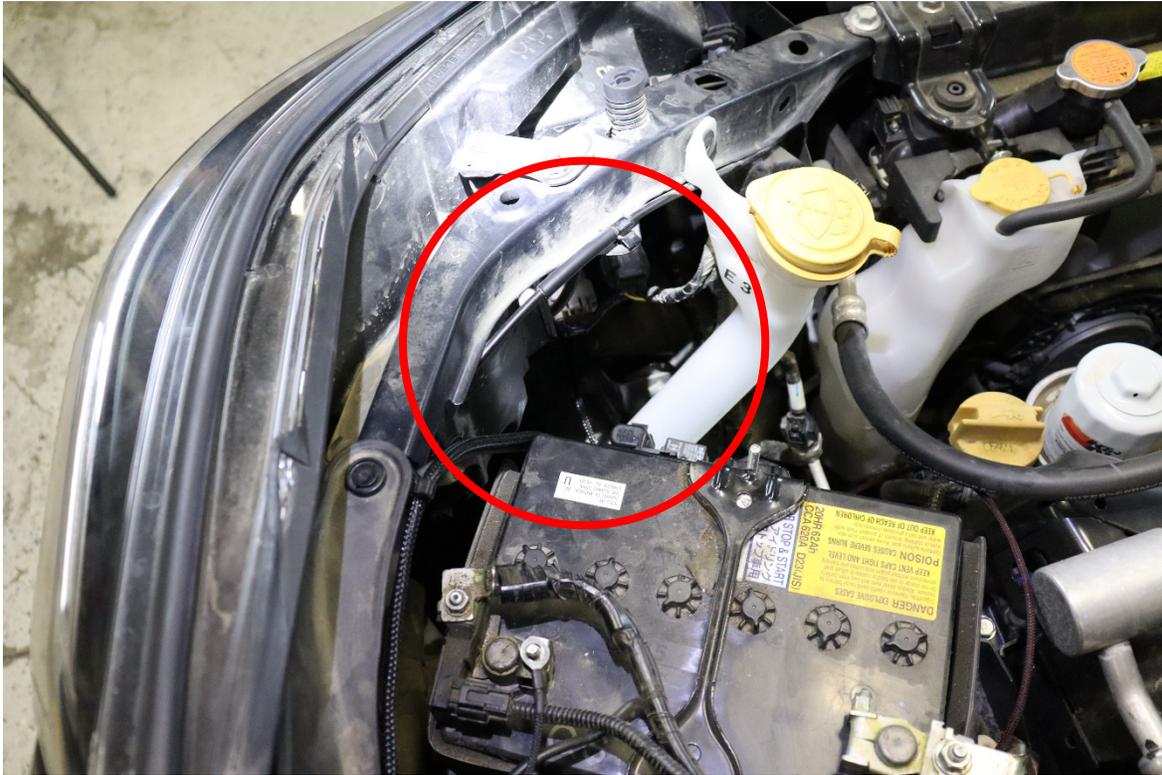
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20. Once all the tabs mentioned above are removed, lift the wind deflector behind the grill and pull it out of the vehicle.



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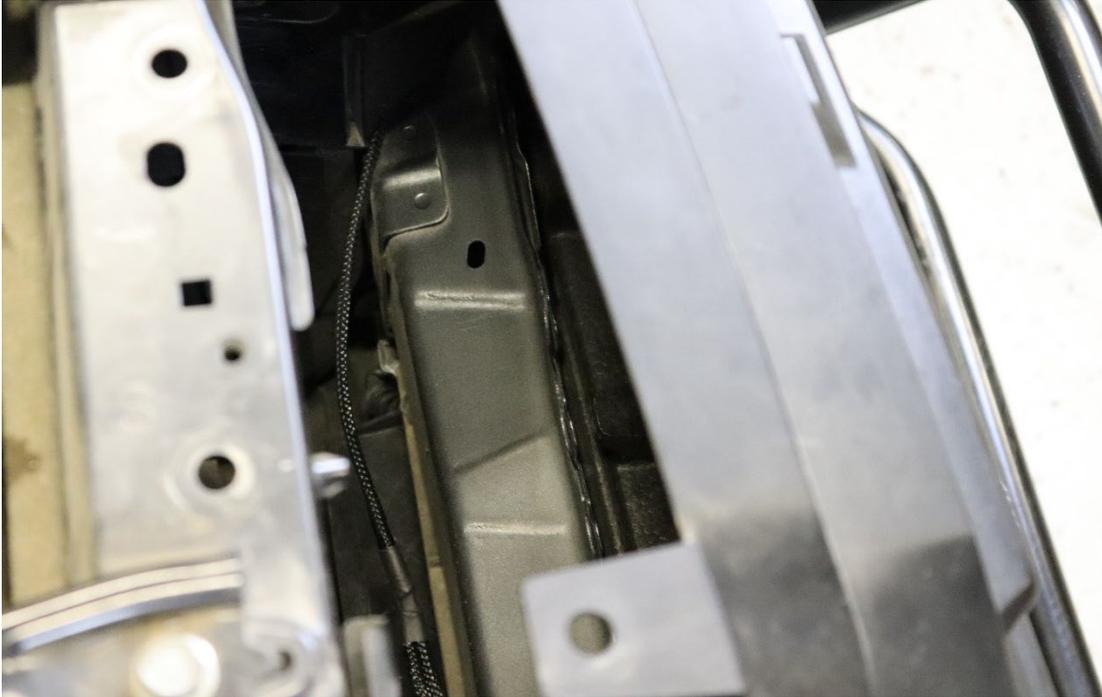
21. Next will be routing the light pod wire ends to the front of the vehicle. Start by funneling the three plugs down to the support bar behind the grill. They will be directed down to the bar through the cavity behind the driver side headlight.





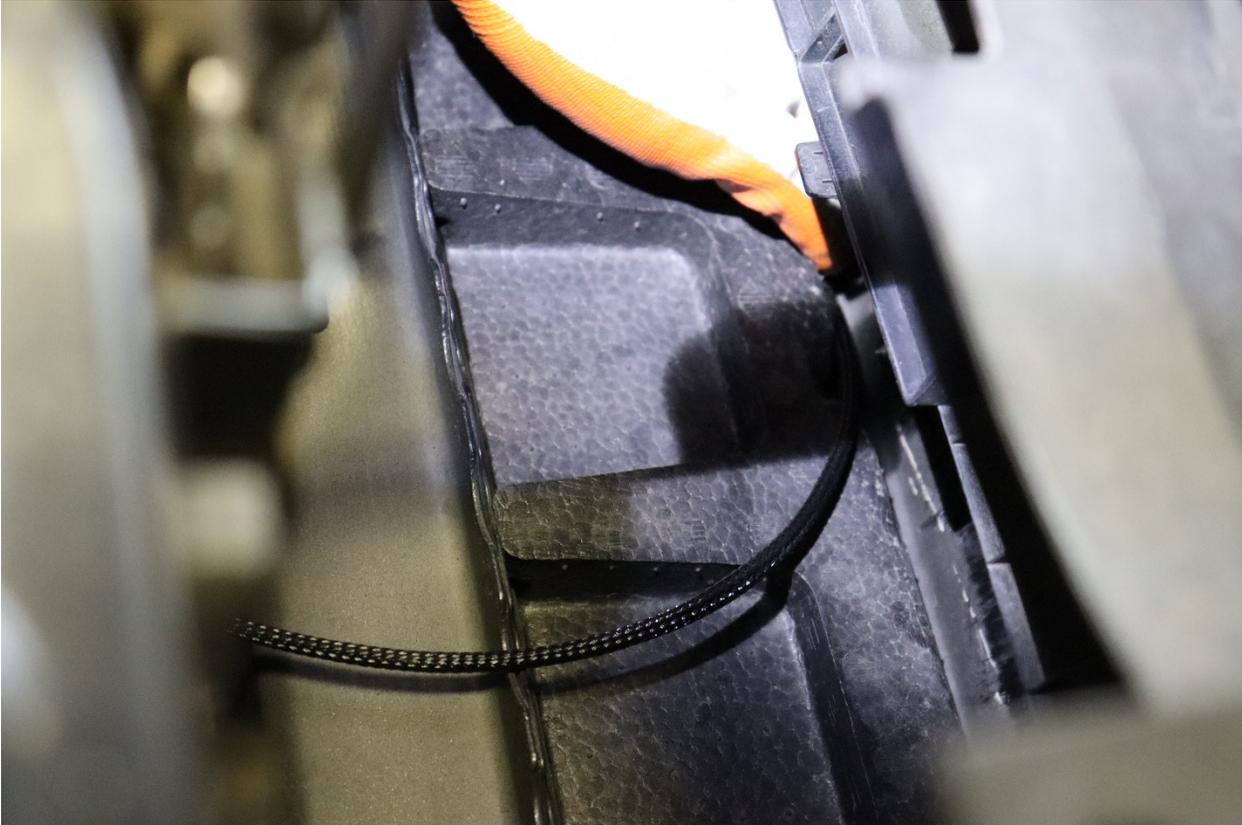
22. Fish the wire to the front grill support through the gap filled by the foam padding shown below.





23. Once the wires are in this position, you will need to guide them down to the lower grill inlet by pushing them between the foam padding that sits between the outer bumper (body) and the bumper support behind the grill. The wires should be visible from the lower grill intake when done.







24. Once the light pod wires are located behind the bumper as shown above, the provided KC Daylighter lights can be installed.

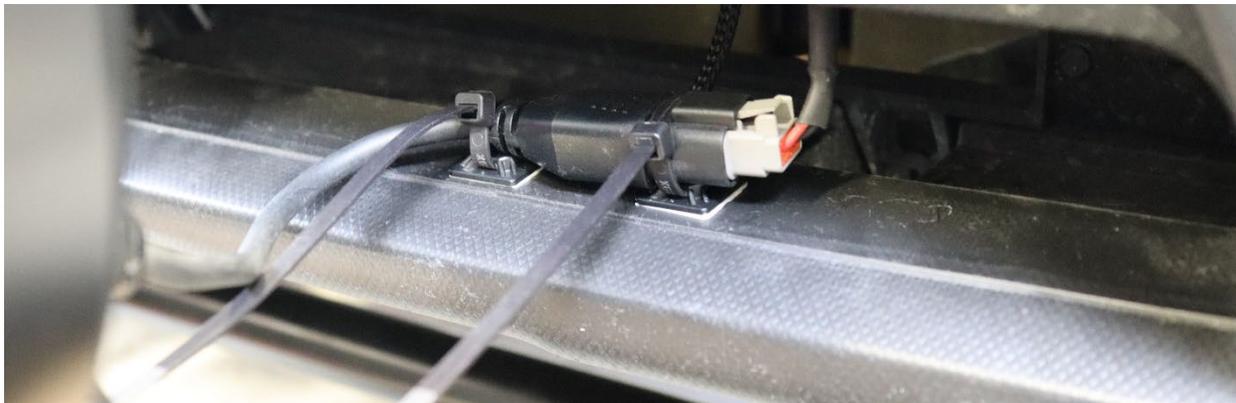


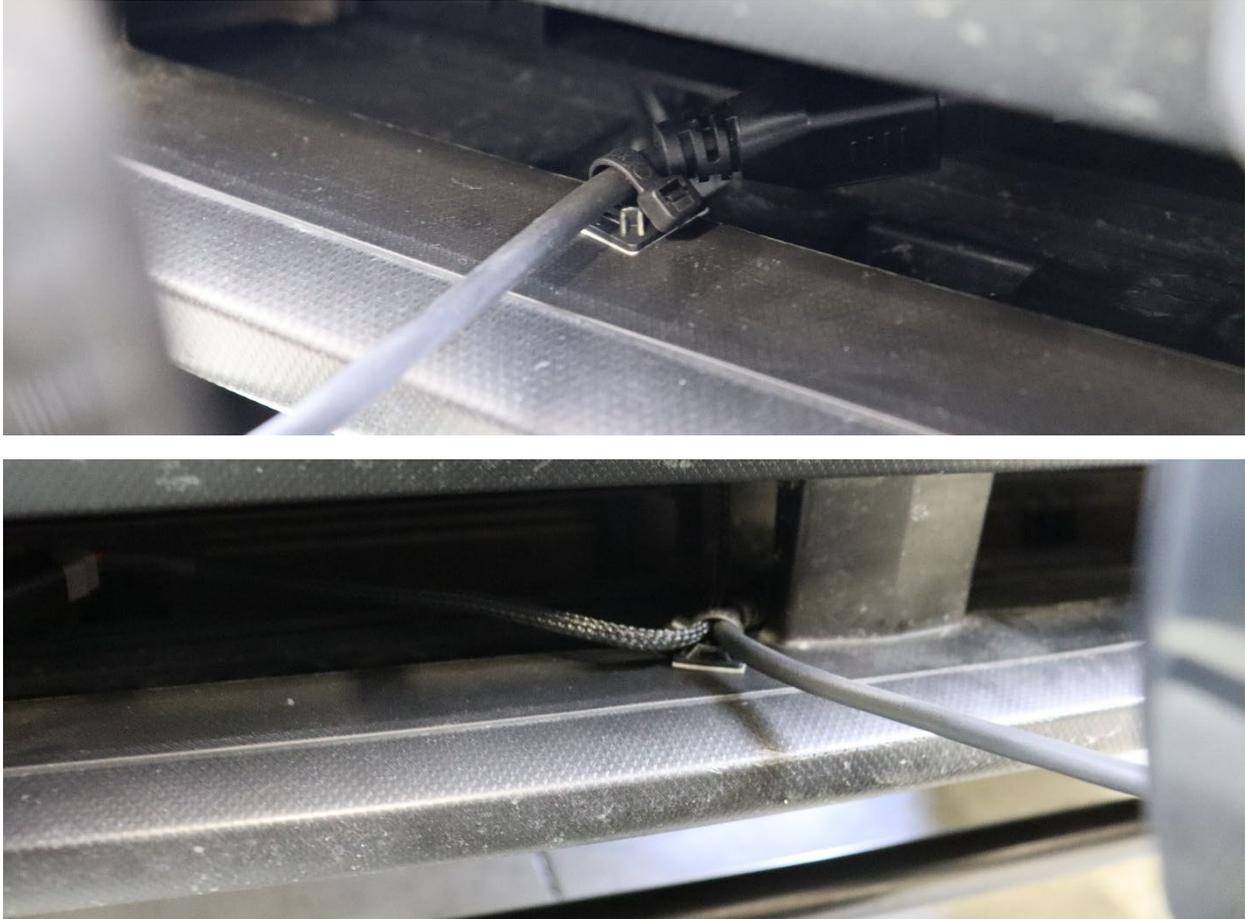
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25. Each light comes with the hardware to be installed in their boxes. The only loose pieces are the hardware shown below. Use the provided hardware to mount the lights to the bumper. (17 MM socket)



26. Clean the lower bumper lip in preparation to receive sticky tabs to mount the light pod wires and the plugs. Mount them as they fit best for you and your vehicle. Connect lights when done.





27. Returning to the engine bay, fasten the positive and negative eyelets to the battery terminals as shown using a 10 MM Socket/wrench. (10 MM Socket, Ratchet Wrench) For the negative terminal, zip tie the wires leading to the top of the engine bay along the fender structure together, where the negative eyelet can still split off and attach to the battery.





28. Finish the installation by tightening and aiming the lights.





Thank you for choosing Crawford Performance!

Please feel free to contact us for any questions or comments! We are here to help. Celebrate your freshly finished install by cracking a beer and pouring one out for your chewed-up arms.

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