



Crawford Performance Overland Series  
Hood Light Pod Kit  
2018+ Crosstrek

**L0002 Parts List**

Part Number	Quantity	Description
W2202	1	Wire – Crosstrek Harness Hood Pod
L2260	1	Light – Directional 90 Degree Sidewinder Pod
B2270-1	1	Bracket – Hood Light Pod Mounting Bracket



**Note:** This installation will be completed in steps, starting with the wiring harness, and finishing with mounting the light pod. The order in which these steps are done is not important, but we have found the method demonstrated in this guide to be the best way to install the kit.

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## Hardware:



## Tools Needed:

3/8" Ratchet

10 MM Socket

12 MM Socket

Flat Head Screwdriver



## Recommended Tools:

- Power Drill
- Step down drill bit
- Zip Tie Cutters
- Heat gun
- Wire crimper
- Electrical plug pick

Estimated Install Time: 2 Hours

Install difficulty: 5/10

## Wiring Harness Installation

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

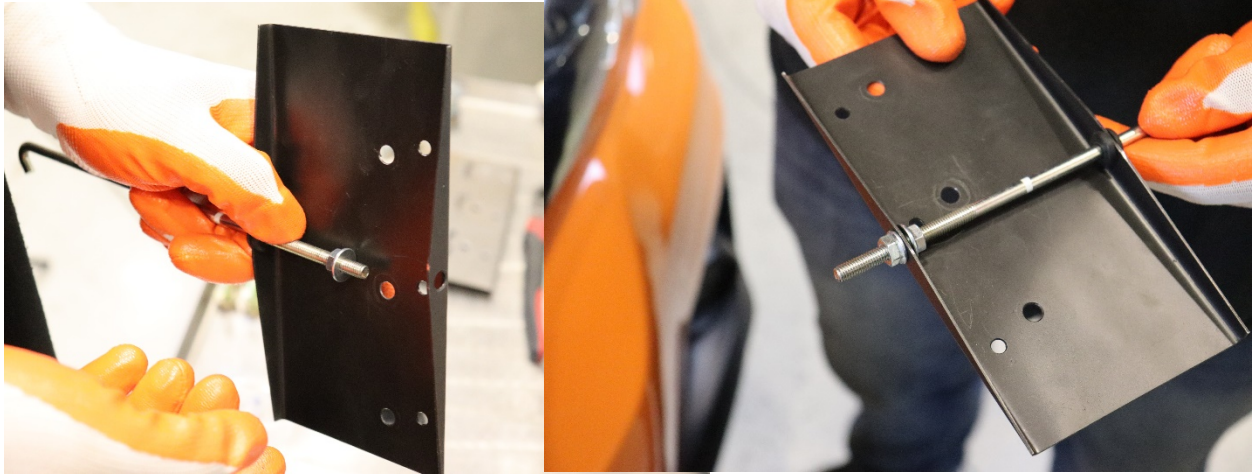


2. Remove the Battery Brace Strut. (10 MM Socket)

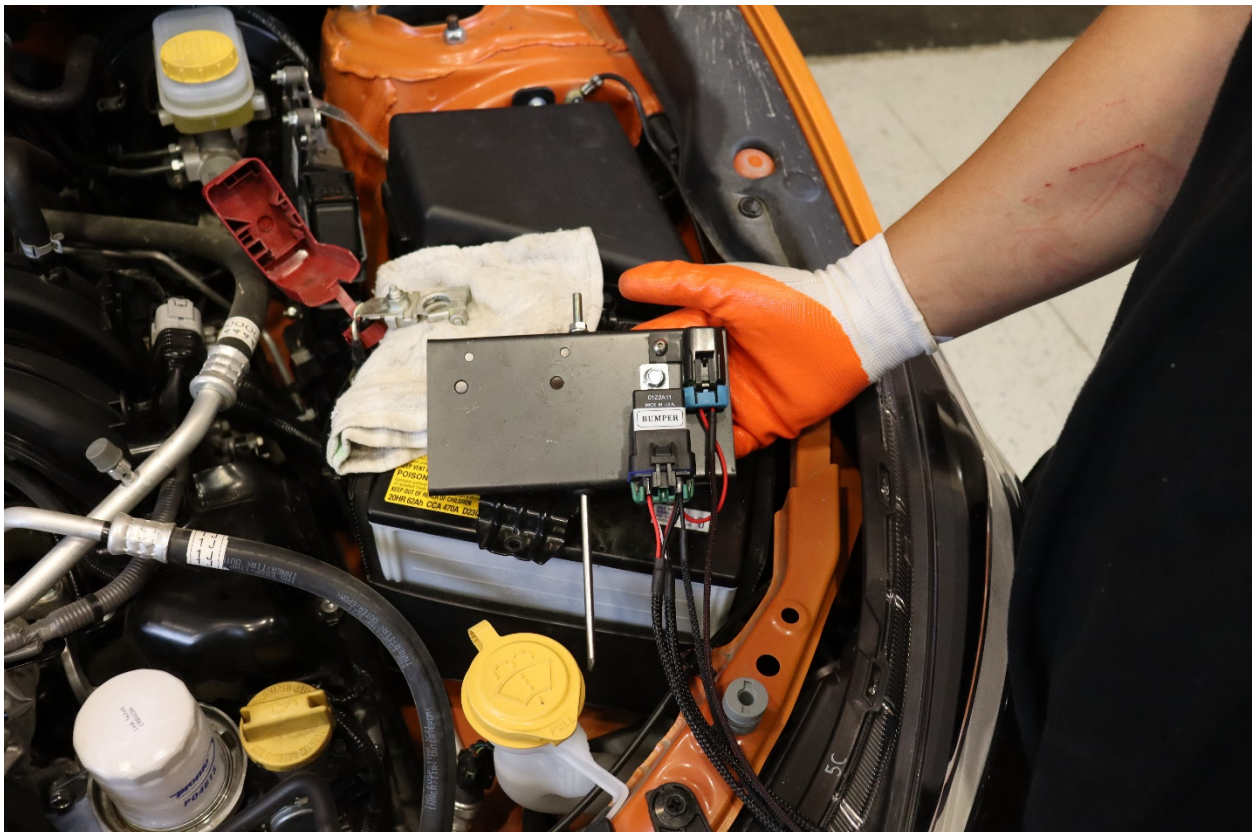


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3. If the optional circuit board bracket was purchased with the kit, slide the bottom end of the relay mounting plate over the battery brace strut. Thread the supplied nut onto the strut about 2 inches down the strut body. This nut will be used to 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)

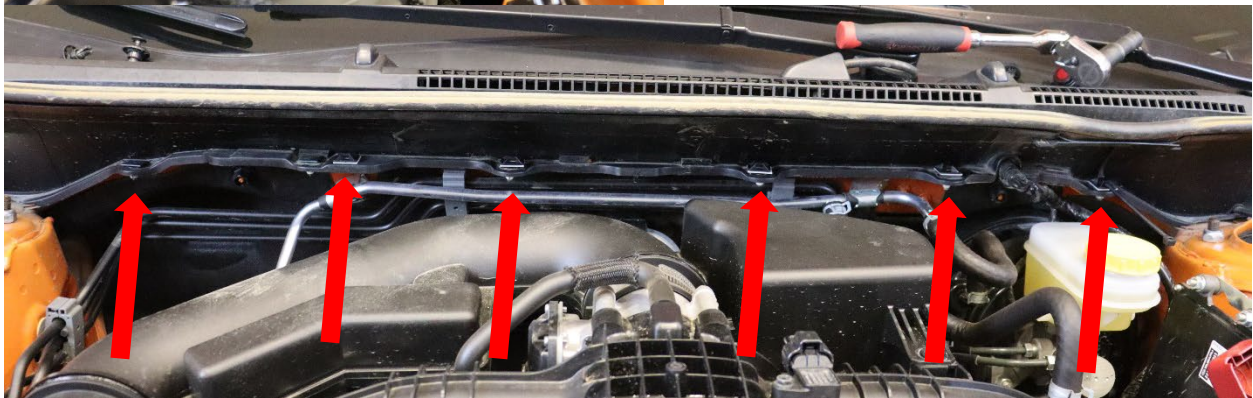


6. Remove the plastic trim piece above the driver side fender by releasing the two plastic clips with a flat head screwdriver as shown. (Flat Head Screwdriver)



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7. Place a provided sticky harness on the fender rail directly right of the battery as well as across the top of the engine bay as shown



8. Use a provided wire tie to secure the wire leads to the sticky harness on the fender.

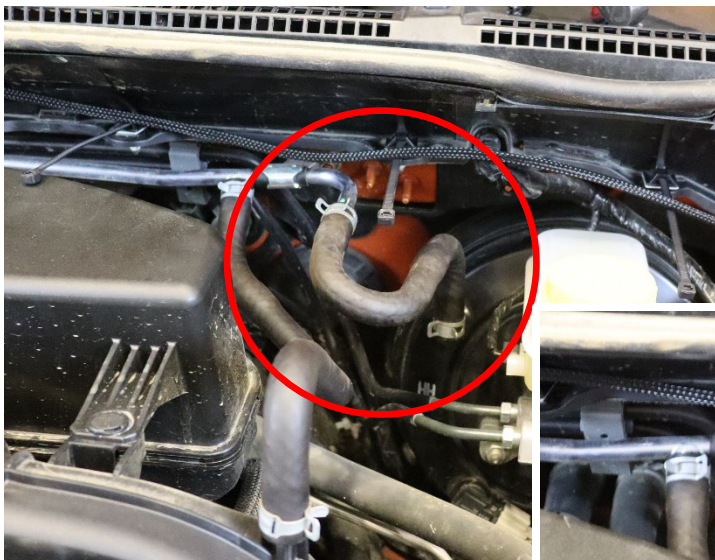


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9. Route the wires towards the top of the driver side of the engine bay and set to side.



10. Remove the vacuum line leading to the master brake cylinder. (Needle Nose Pliers)



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11. Drill a hole through the firewall in the area indicated below.

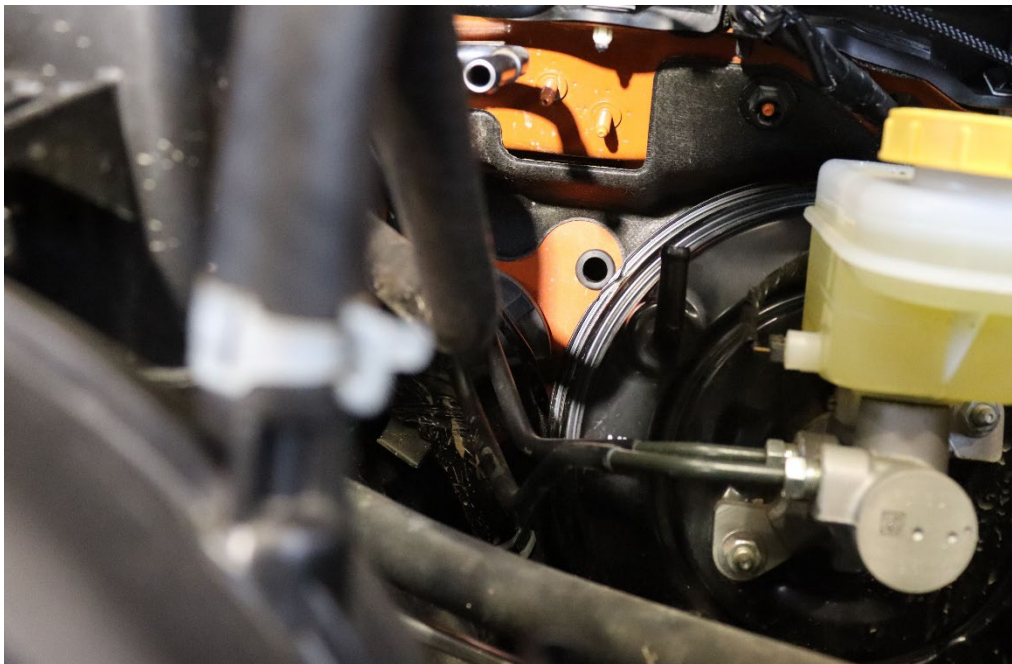
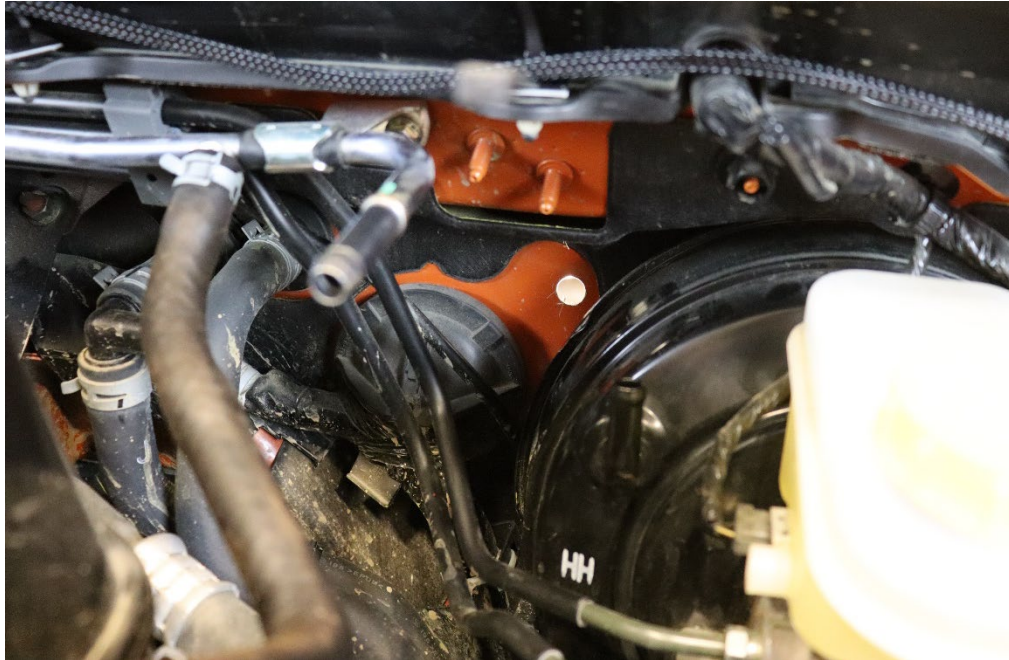
**Note:** The hole location on the interior of the car will be behind a small foam insert that you can remove from underneath the dash behind the steering column on the driver's side.





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12. Clean out the hole to prepare it to receive the rubber grommet. Once clear of debris, insert the provided grommet



13. Remove the wire ends connecting the provided switch to the wiring harness, taking note of how the leads are connected to the switch. (Black to Gold/Top relay, White to middle relay, Red to bottom relay)

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14. Feed the switch wire lead through the hole and into the vehicle cabin so that the wire ends are in front of the fuse board.



15. Remove the fuse board cover and drill a hole for the switch to be set into.





16. Remove the switch from the fuse board cover panel and reinstall the panel into the car. Feed wires from firewall through the panel hole you just drilled out.

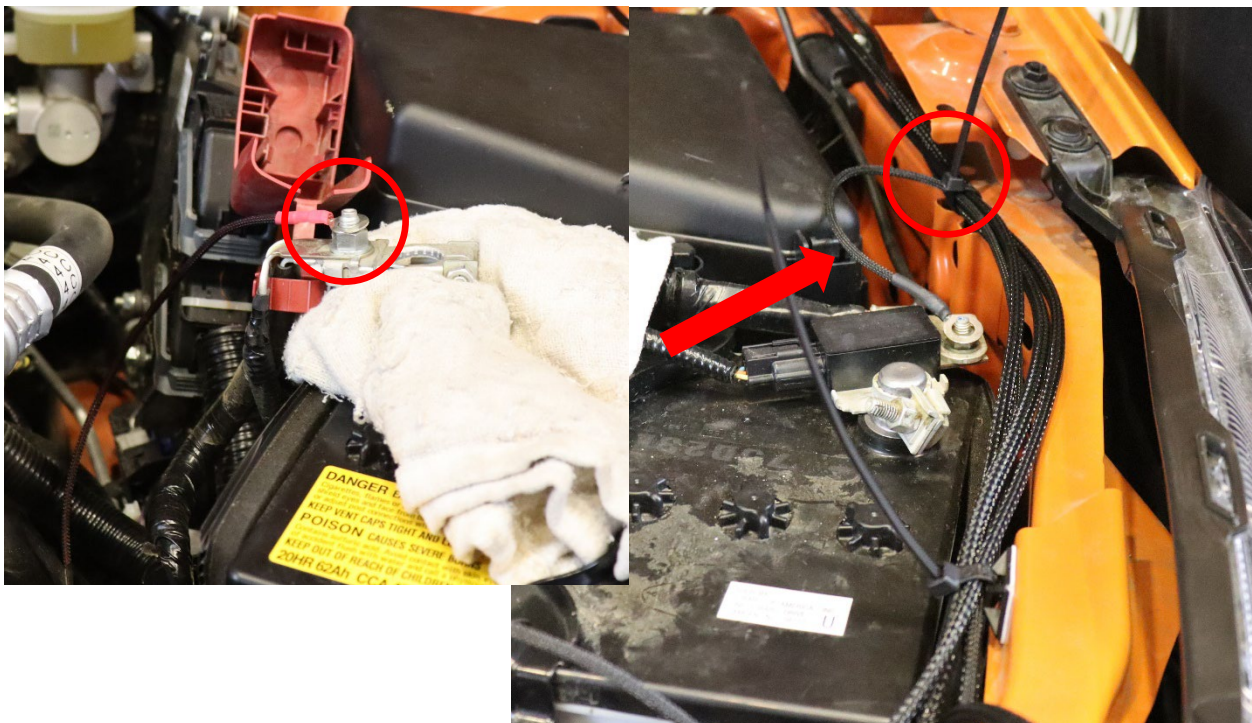


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17. Install the wire ends to the switch and re-insert the switch into the fuse board cover.



18. Returning to the engine bay, fasten the positive and negative eyelets leading from the wiring harness to the battery as shown. 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. (10 MM socket, 1/2" Ratchet Driver)



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19. Zip tie the short pod connecting wire lead to the driver side hood bracket as shown.



20. Take the switch wire that is running through the firewall and route it through the first sticky harness on the driver's side. **This wire will only be attached at this sticky harness.** The passenger side pod wire will run through this harness and the remaining harnesses placed down in step 7. **Do not tighten any zip ties at this point.**



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21. Run the long wiring connector for the driver side hood pod across the top of the engine bay where the sticky harnesses were placed in step 7. **Make sure to leave enough slack across the engine bay for when the wires are tightened down to the sticky harnesses.**

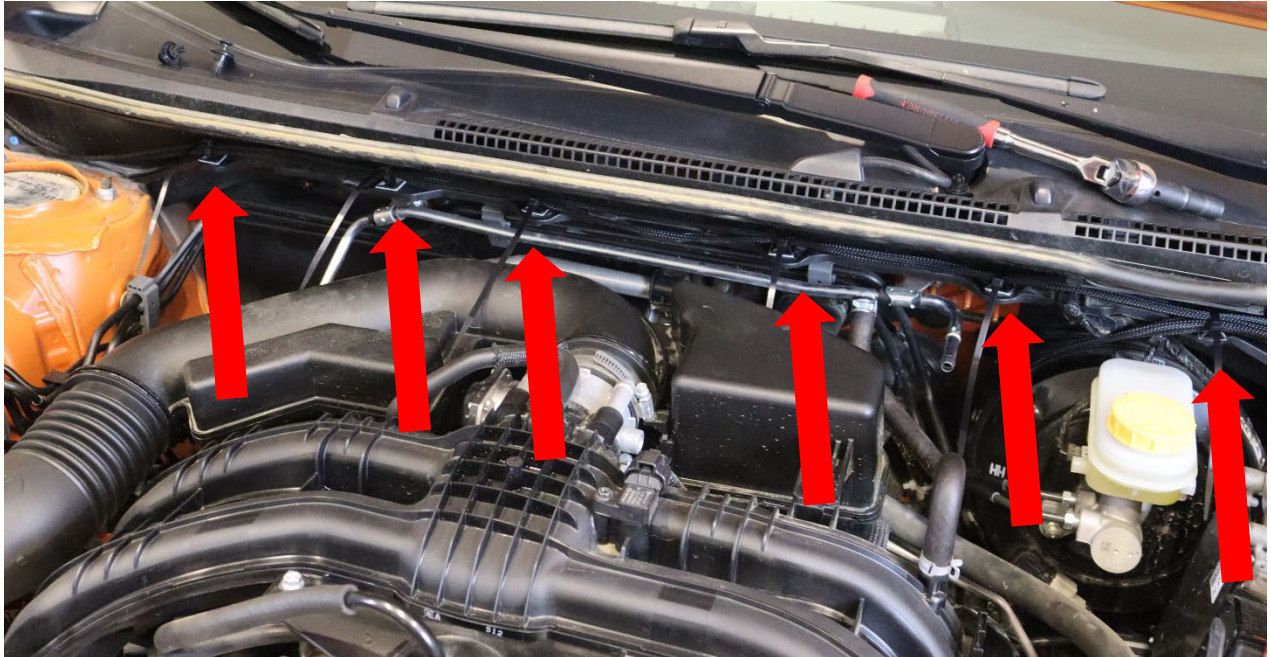


22. Use Zip Ties to bundle the wires leading up from the battery and relay plate together. This will keep the set up clean and ensure the wires run smoothly under the plastic fender trim removed in step 6. **Make sure to leave enough slack for the wire running across the engine bay to the passenger hood bracket.**



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23. Fasten the wire running across the engine bay to the sticky harnesses mentioned in step 7. Fasten the switch wire lead mentioned in step 20 to the designated sticky harness while also running the passenger pod wire through this harness. Make sure to leave enough slack to attach the pod connector to the hood bracket without too much strain.



24. Zip tie the pod connector to the hood bracket as shown.



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25. Use the provided Zip Ties where necessary to keep wires bundled and away from areas that may damage them.
26. Re attach the plastic fender trim piece removed in step 6, making sure the wires run underneath the trim.



27. Re-install the vacuum hose removed in step 10. Make sure that all wires are secure and not at risk of receiving damage from the engine bay.

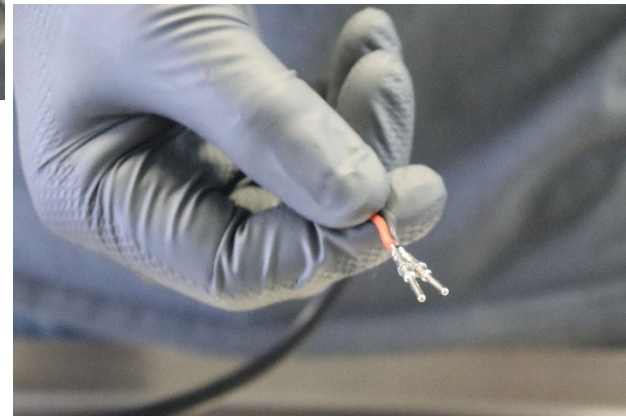
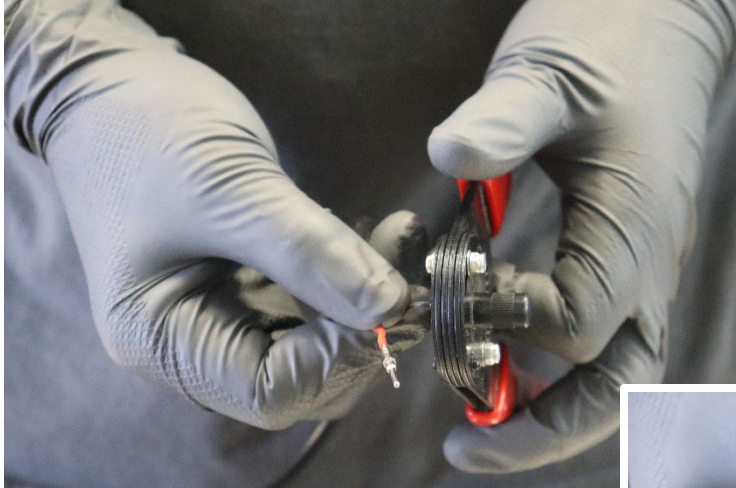


## Light Pod Preparation Instructions

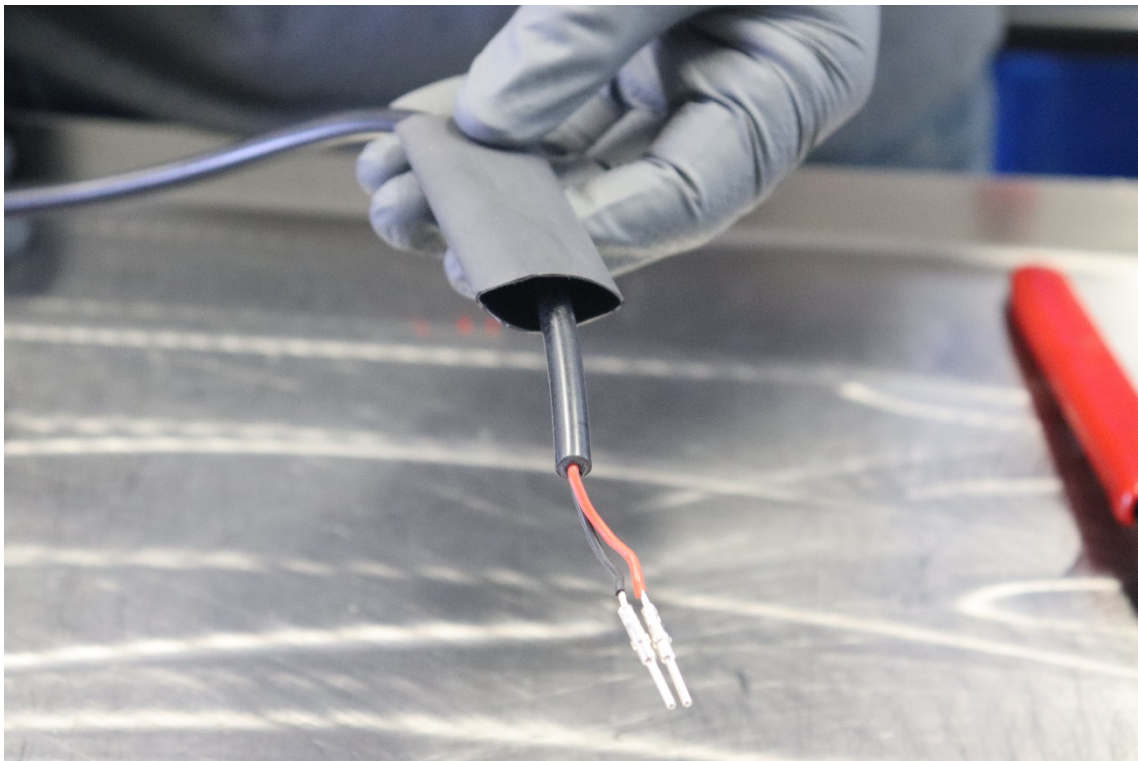
1. If you have purchased the hood light pod kit with included light pods, skip to step 3. If you have bought separate light pods or bought the CDR series pods separately but have the CDR series wiring harness, follow the instructions from step one. **Specialty electrical tools will be required.**
2. Locate the wire Deutsch connector wire ends and crimp them to the raw light pod wire ends.



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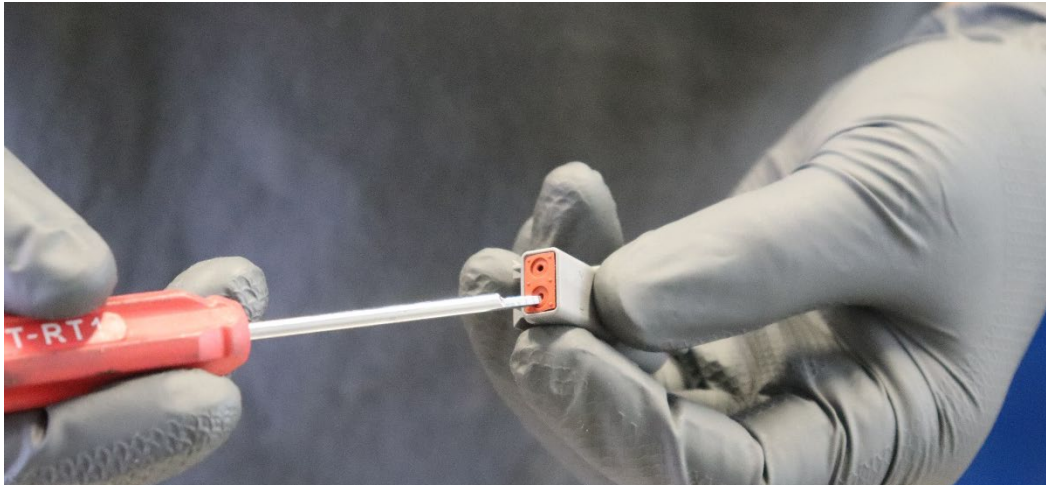


3. Slide the provided heat shield sleeve over the wire ends. This is simply to prep for later, do not apply heat yet.

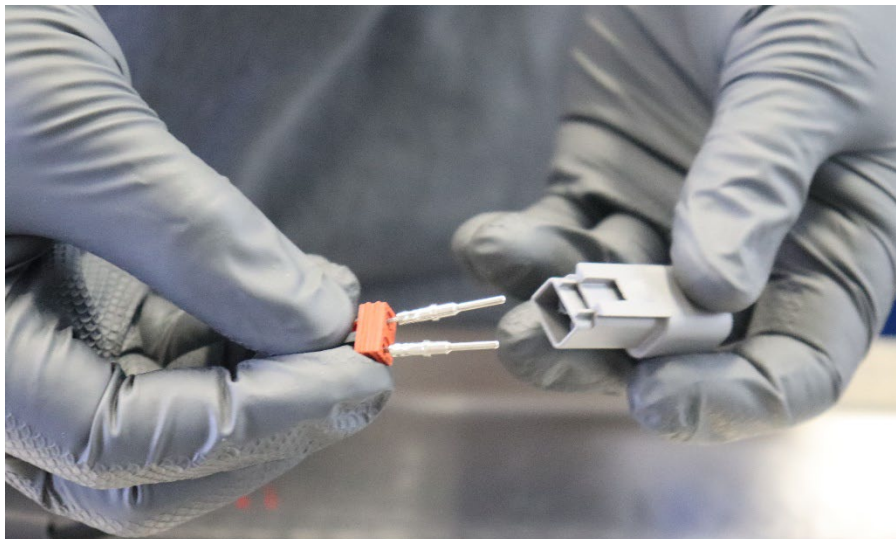


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4. Remove the Deutsch connector dust plug from the male connector.

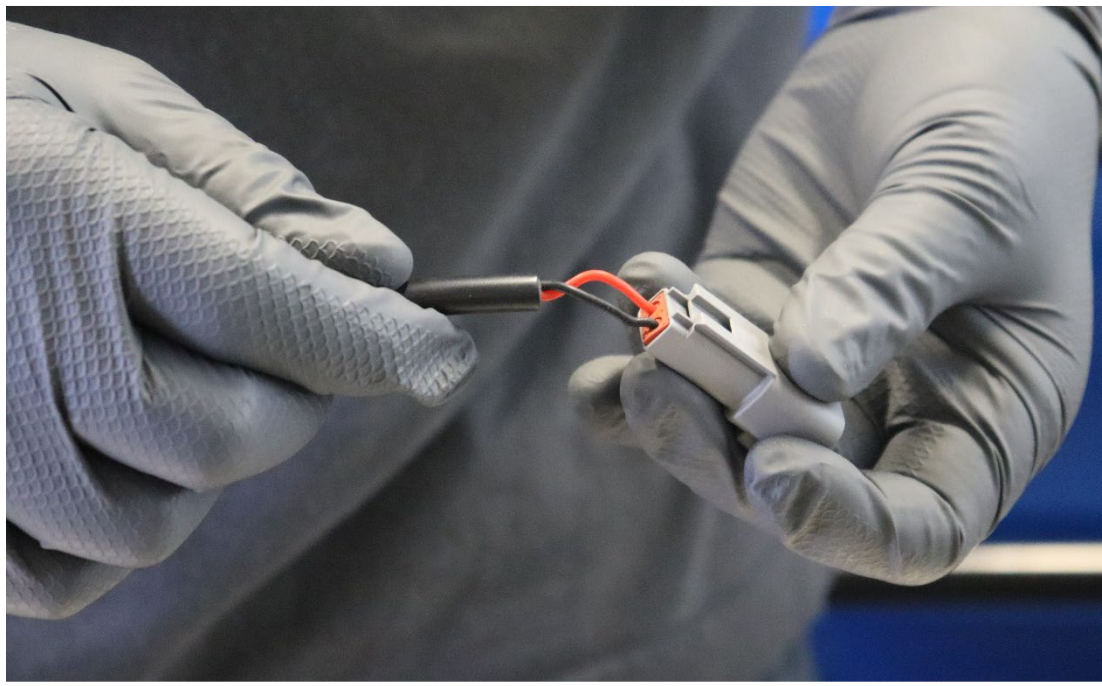


5. Slide the dust plug over the wire ends and insert the plugs as shown. You should hear a click when the prongs are inserted into their respective slots.



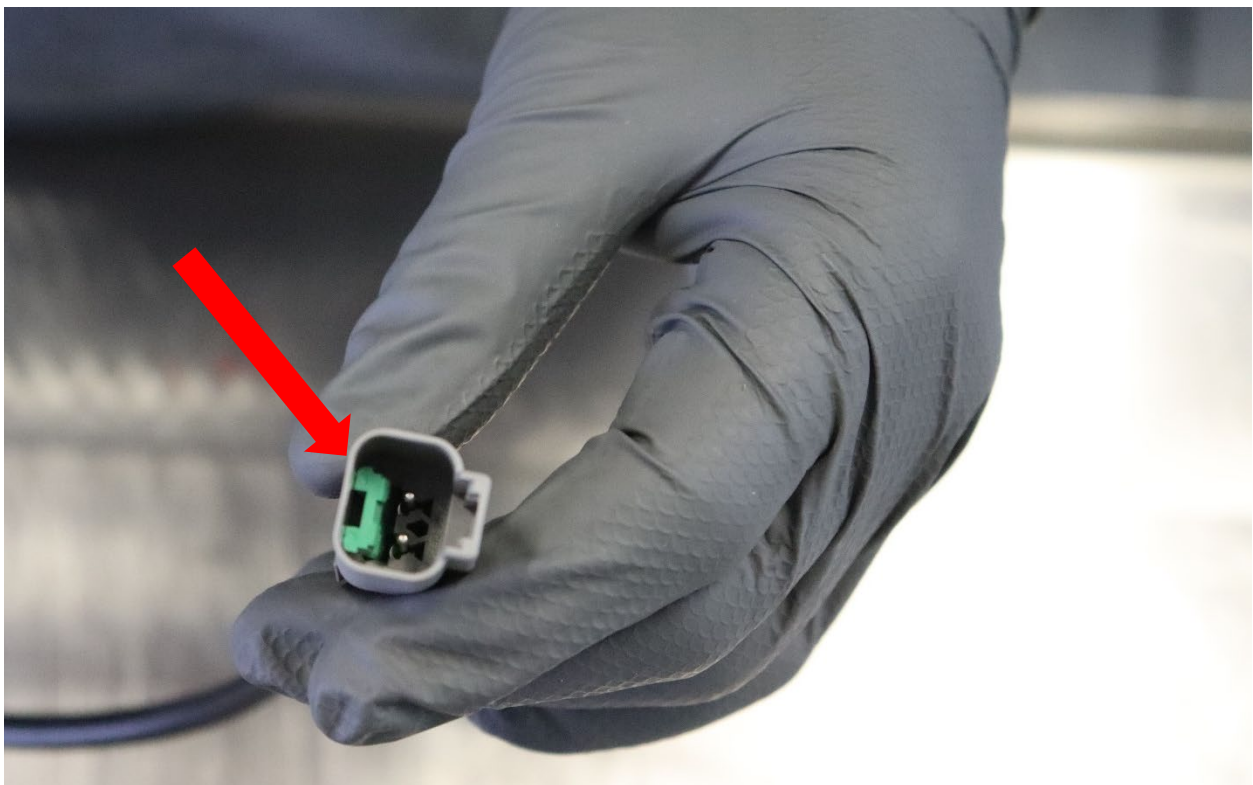
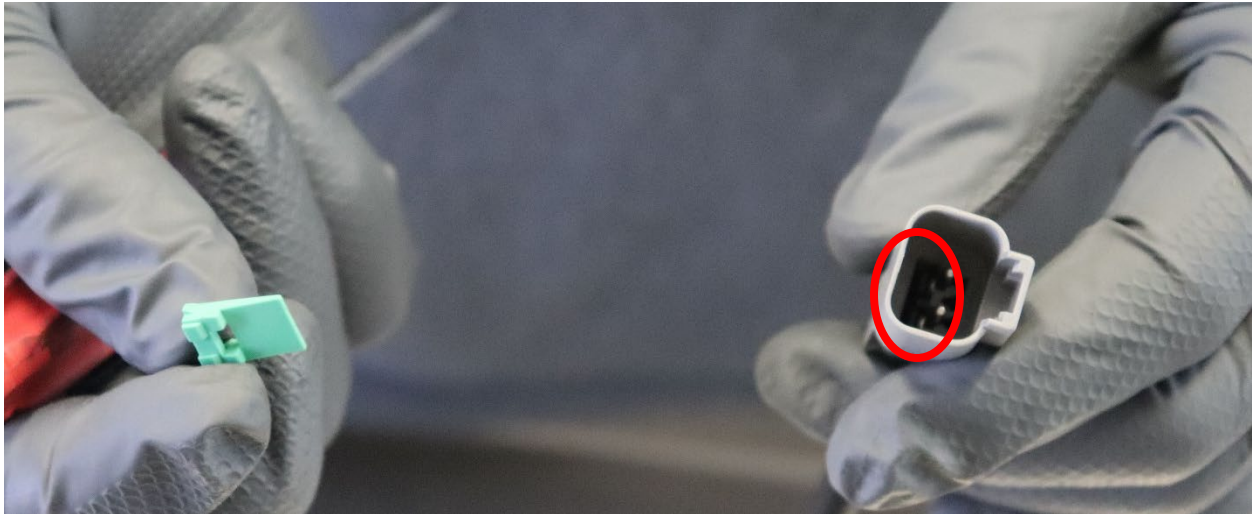


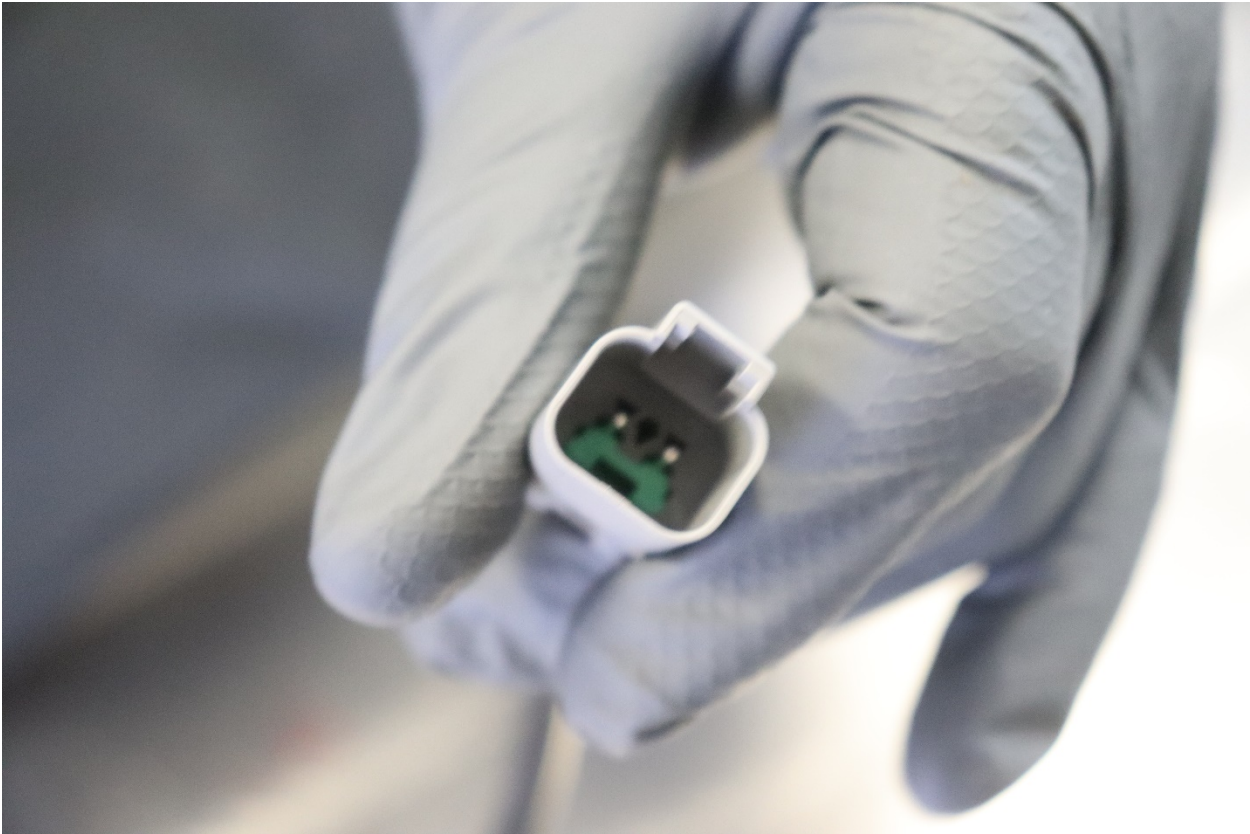
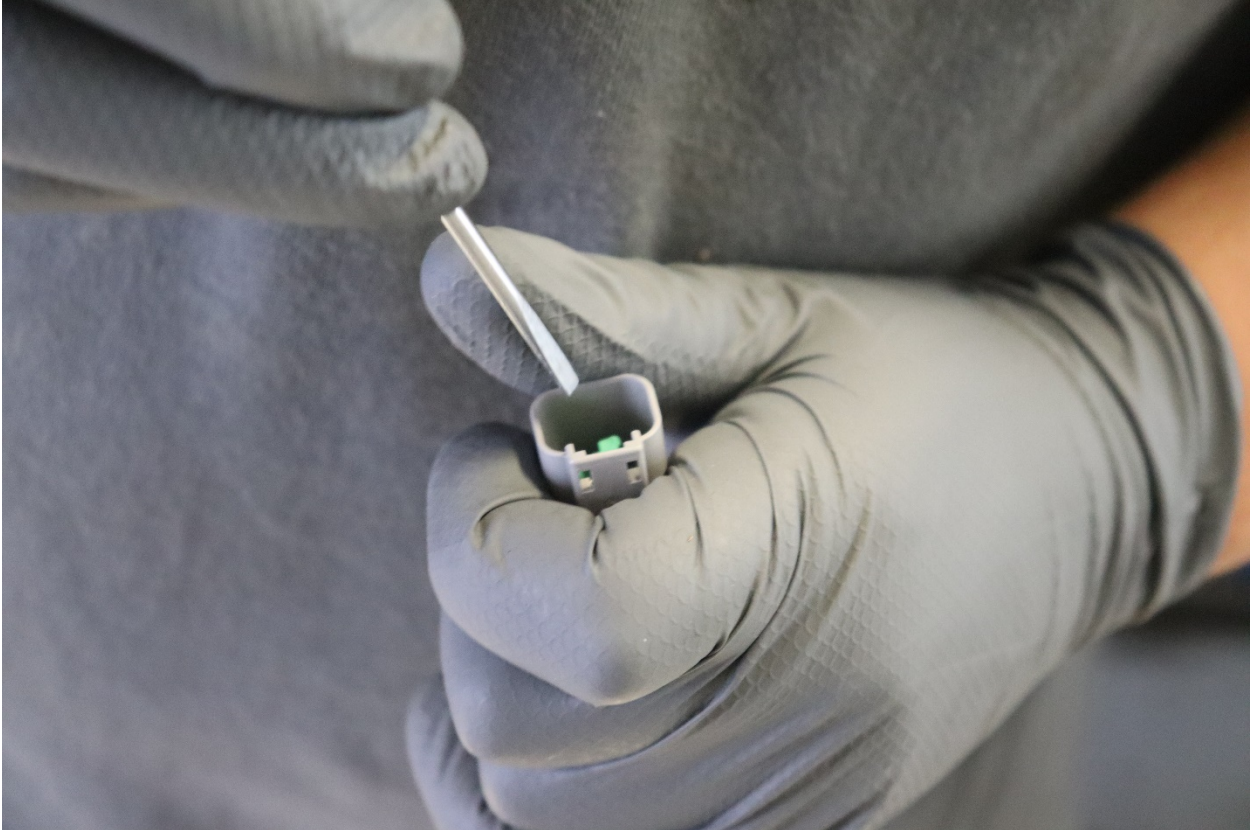
Note the wire orientation. Red to side 1, black to side 2



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6. After the wire prongs are in place, the green wire locking mechanism needs to be inserted into the plug using a flathead screwdriver. It will be inserted into a slot directly below the wire prong ends that show in the connector body. Be sure to insert this clip correctly.





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7. Once the wire ends are locked into the plug connection body, slide the heat shrink from step 3 into position so that the wires are either not showing or barely showing.



8. Apply heat to the heat shrink.





9. This plug is now ready to be connected to the wiring harness detailed in part one of this install sheet.



## Hood Bracket Installation Instructions

1. Open the hood of your vehicle and locate the hood mounting brackets near the left and right edges of the hood closest to the windscreen



2. Remove lower hood bracket nut on one side of the vehicle (12 MM socket and 3/8" nut driver). Perform this on one side at a time to avoid misaligning the hood.



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3. Align light pod bracket with hood mount bracket. Fasten to hood with Factory 12 MM nut removed in previous step. The hood bracket nut closest to front of vehicle does not require removal, the light bracket uses this nut to align properly on vehicle.



4. Make sure bracket is tightly fastened to the hood. Repeat for the opposite side of the vehicle, making sure to only remove specified fastening hardware.



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5. Locate the left and right CDR Series 90-degree LED light pods and verify their orientation. The LED's on the edges of the light pod should face to the outside of the vehicle. The design of this pod/bracket kit is to provide visibility to the sides of the vehicle as well as to the front.



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6. Install the light pod mounting brackets onto the hood brackets (12 MM socket, 12 MM ratchet wrench). Two 12 MM box wrenches will also work.



7. Funnel the CDR series pod power supply under hood to be connected to the wiring harness.



**Thank you for choosing Crawford  
Performance!**

**Please feel free to contact us for any  
questions or comments! We are here to  
help. We understand this is a difficult install  
and we commend you for your efforts.  
Celebrate by cracking a beer and pouring  
one out for your chewed-up arms.**

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