



Crawford Performance Overland Series
Mirror Light Pod Kit
2018+ Crosstrek

L0001 Parts List

Part Number	Quantity	Description
W2201-1	1	Wire – Crosstrek Mirror Harness
L2260	1	Light – Directional 90 Degree Sidewinder LED
B2260-1	1	Bracket – 18+ Crosstrek Mirror Light Pod 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:

10 MM Socket 8 MM Allen Wrench 3/8" Ratchet 10 MM Ratchet Wrench Flathead Screwdriver



Other Tools Needed:

- Power Drill
- Drill Bit

Estimated Install Time: 2 Hours

Install difficulty: 6/10

Mirror Pod Wiring Installation

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

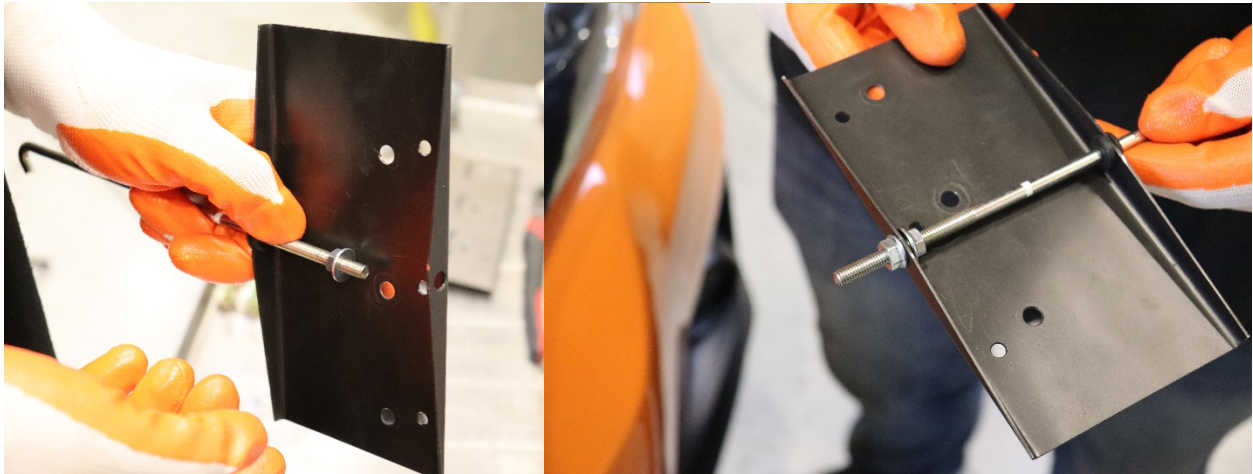


2. Remove the Battery Brace Strut. (10 MM Socket)

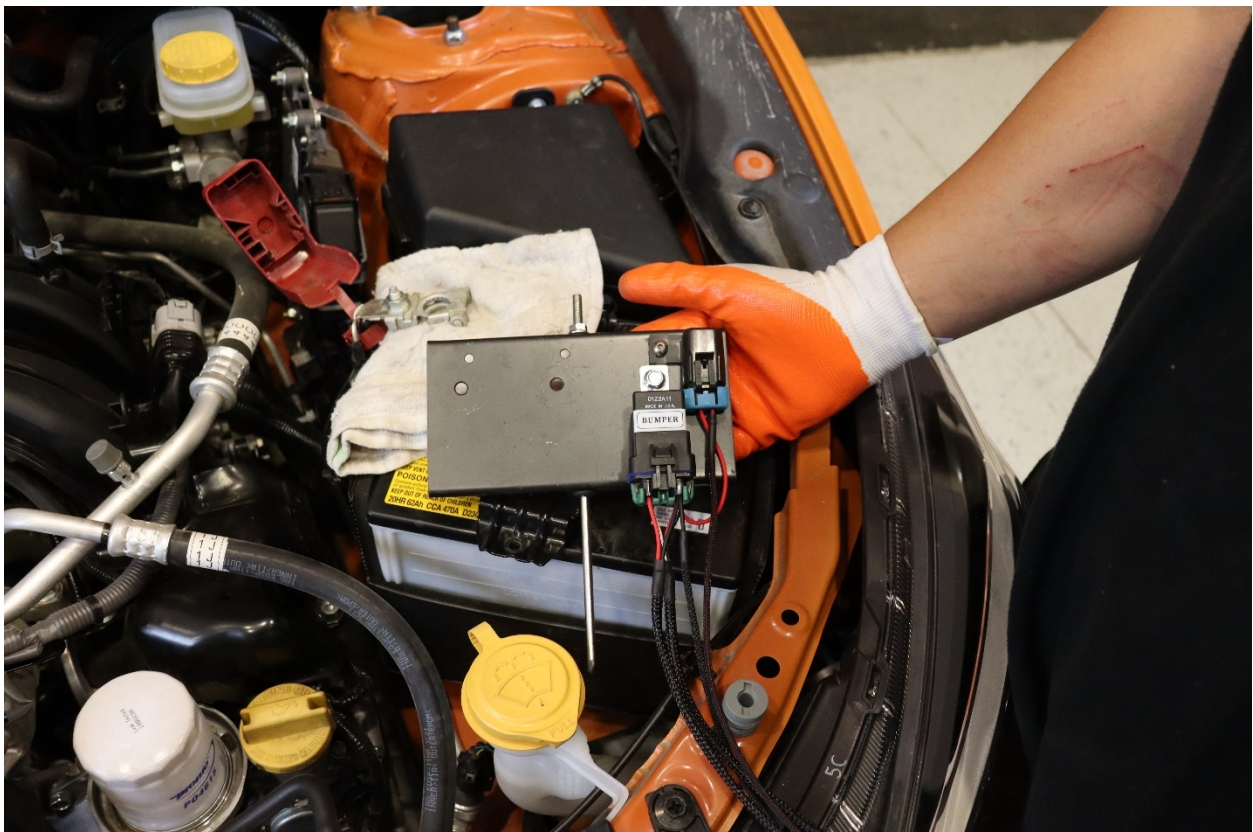


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3. If the optional circuit board bracket was purchased with the kit, slide the bottom end of the relay mounting plate over the battery brace strut. Thread the supplied nut onto the strut about 2 inches down the strut body. This nut will be used to 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 mirror 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 the strut back to its OEM position and securing with the OEM nut removed in step 2. (10 MM Socket)

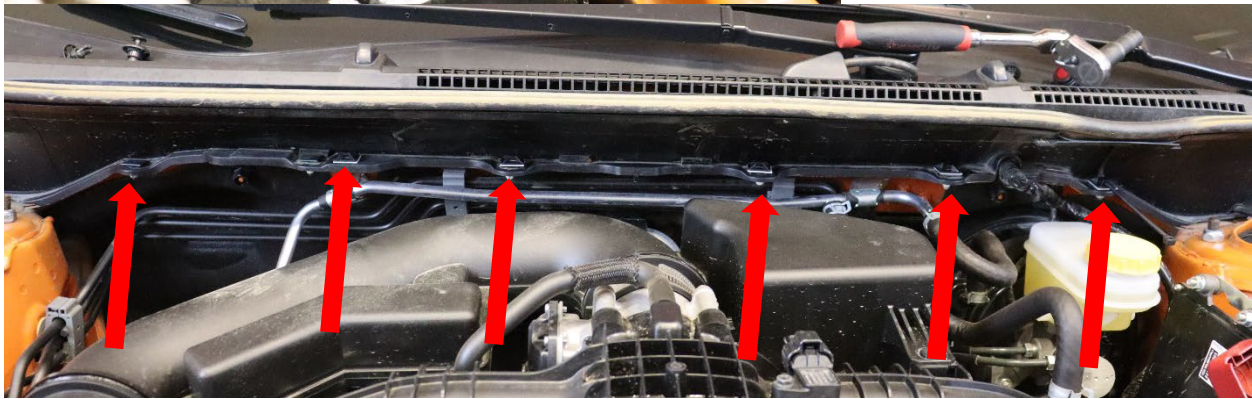


6. Remove the plastic trim piece above the driver side fender by releasing the two plastic clips with a flathead screwdriver as shown. (Flathead Screwdriver)



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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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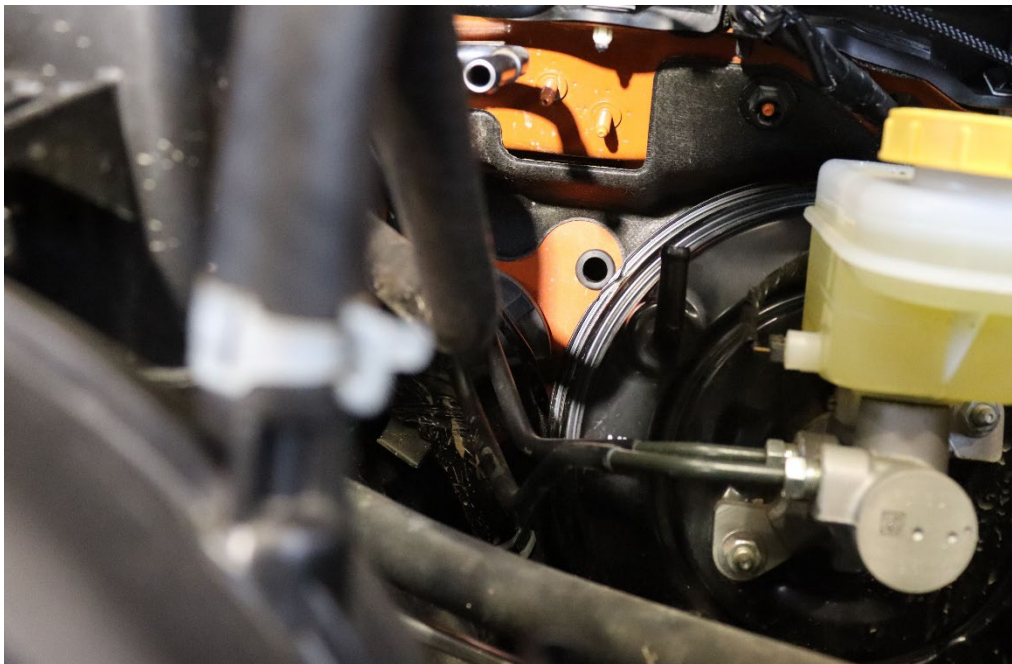
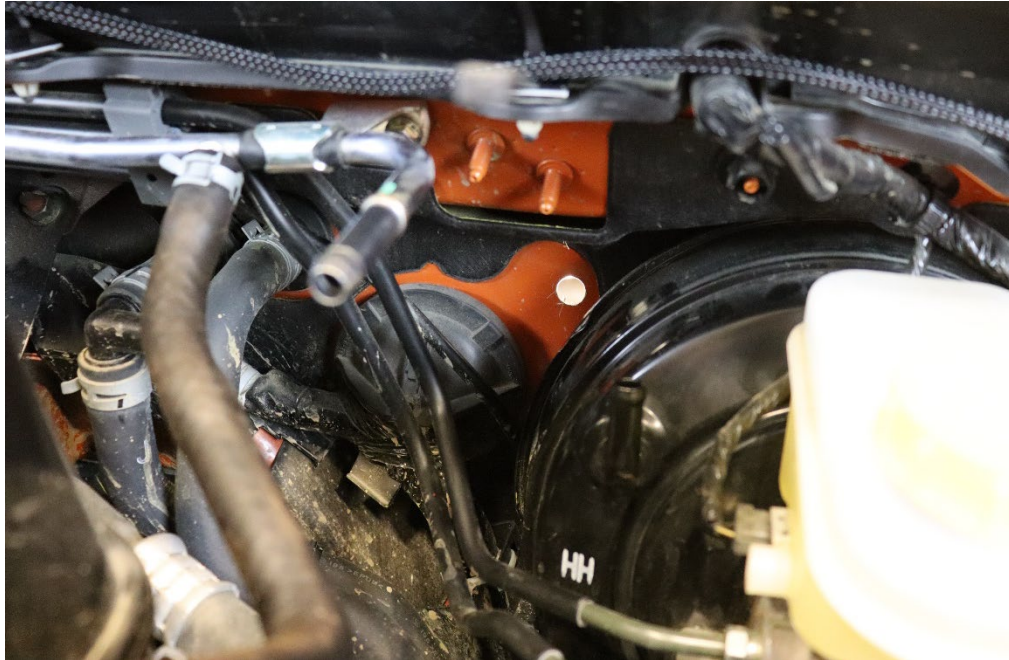
11. Drill a hole through the firewall in the area indicated below using a 7/8" Drill Bit.

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 left-hand 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.



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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.

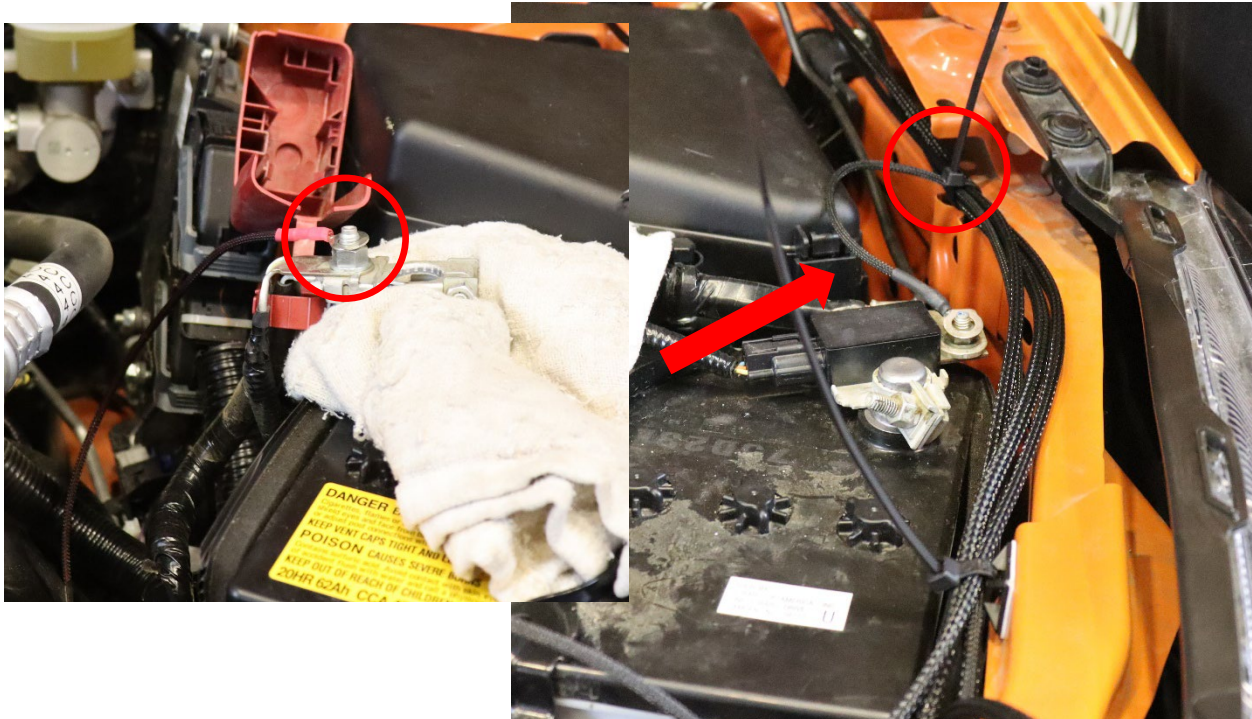


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17. Install the wire ends to the switch and re-insert the switch into the fuse board cover.

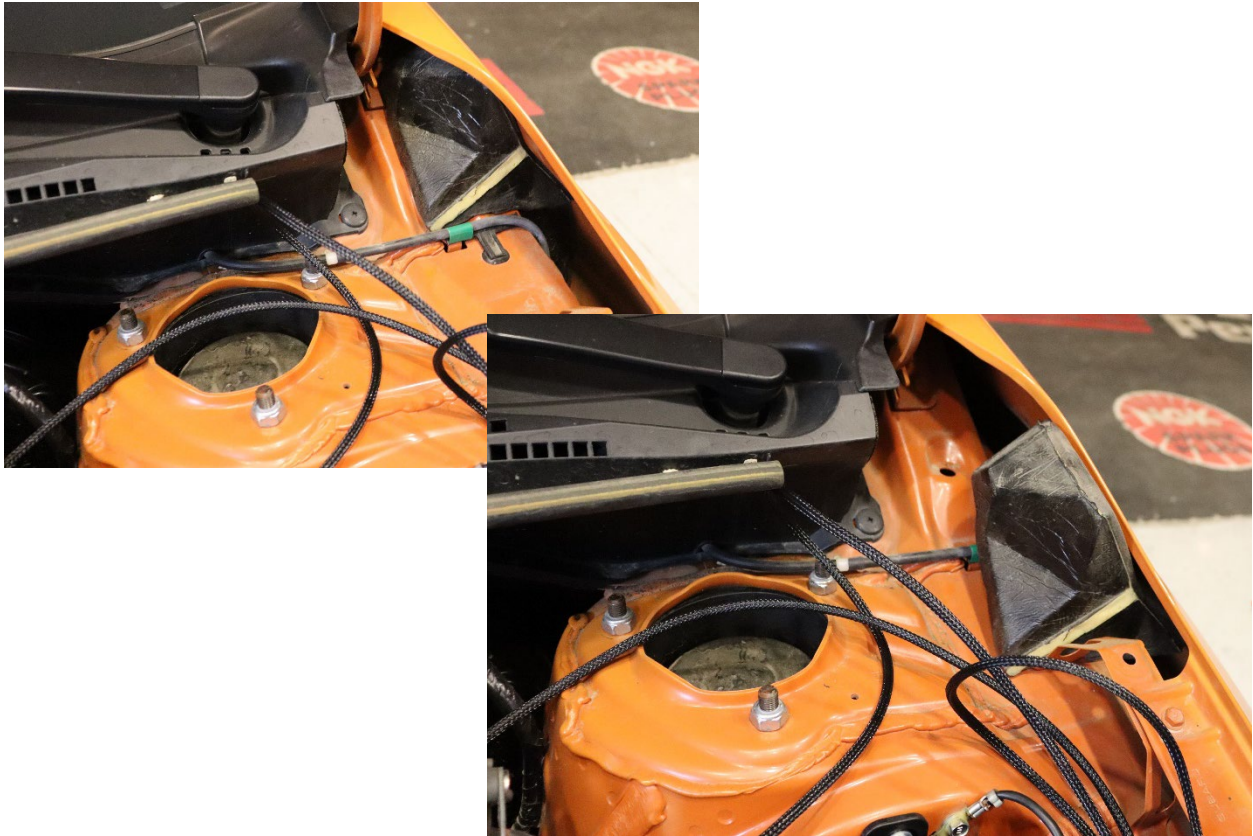


18. Returning to the engine bay, fasten the positive and negative eyelets leading from the wiring harness to the battery as shown. For the negative terminal, zip tie the wires leading to the top of the engine bay along the fender structure together. Tie of in a spot where the negative eyelet can still split off and attach to the battery.

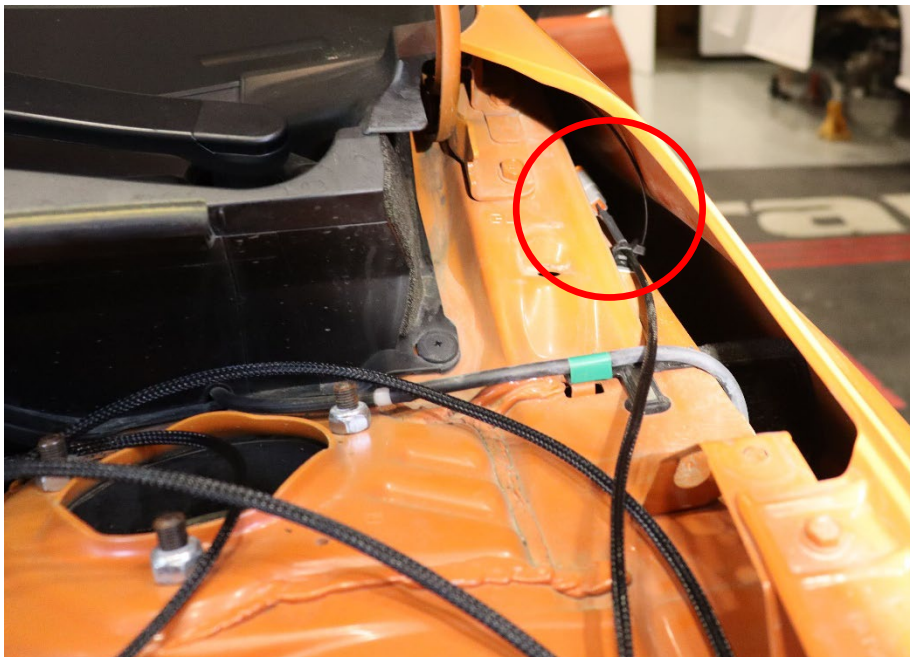


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19. Remove the foam insert located in the driver side gap between the fender and the frame of the vehicle.



20. Place a sticky harness in this gap and zip tie the short pod connector to the harness



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21. Run the long wiring connector for the driver side mirror 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. Take the switch wire that is running through the firewall and route it so it passes 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.**



24. Remove the passenger side fender trim piece by releasing the clips shown below.



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25. Remove the foam insert located in the passenger side gap between the fender and the frame of the vehicle. Route the longer light pod connecting wire across the engine bay and insert the pod wire into the gap. Let it hang freely so there is play when fastening the wire to the harnesses installed in step 7.



26. Let the wire ends hang while you begin to prep the mirror brackets and the light pod wires.

Light Pod Preparation Instructions

1. Prepare both brackets for mounting by installing the factory weather-strips from the plastic covers removed in step 1 to the Crawford mirror pod bracket. Use the provided double sided tape to re-install the rubber weather-stripping.



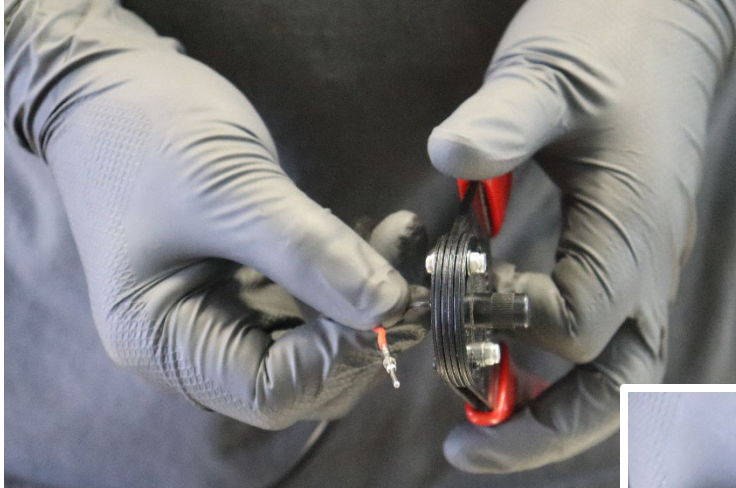
2. If you have purchased the mirror light pod kit with included light pods, skip to step 4. If you have your own light pods or bought the CDR series pods separately but have the CDR series wiring harness, follow the instructions from step one. Specialty electrical tools will be required.

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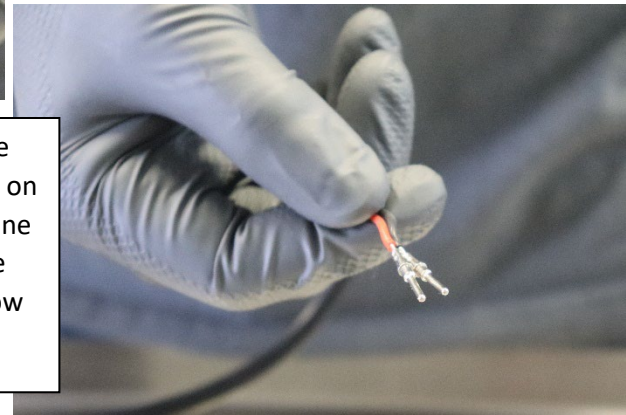
3. Locate the Deutsch connector wire ends and crimp them to the raw light pod wire ends. Slide the wire through the mirror pod bracket.



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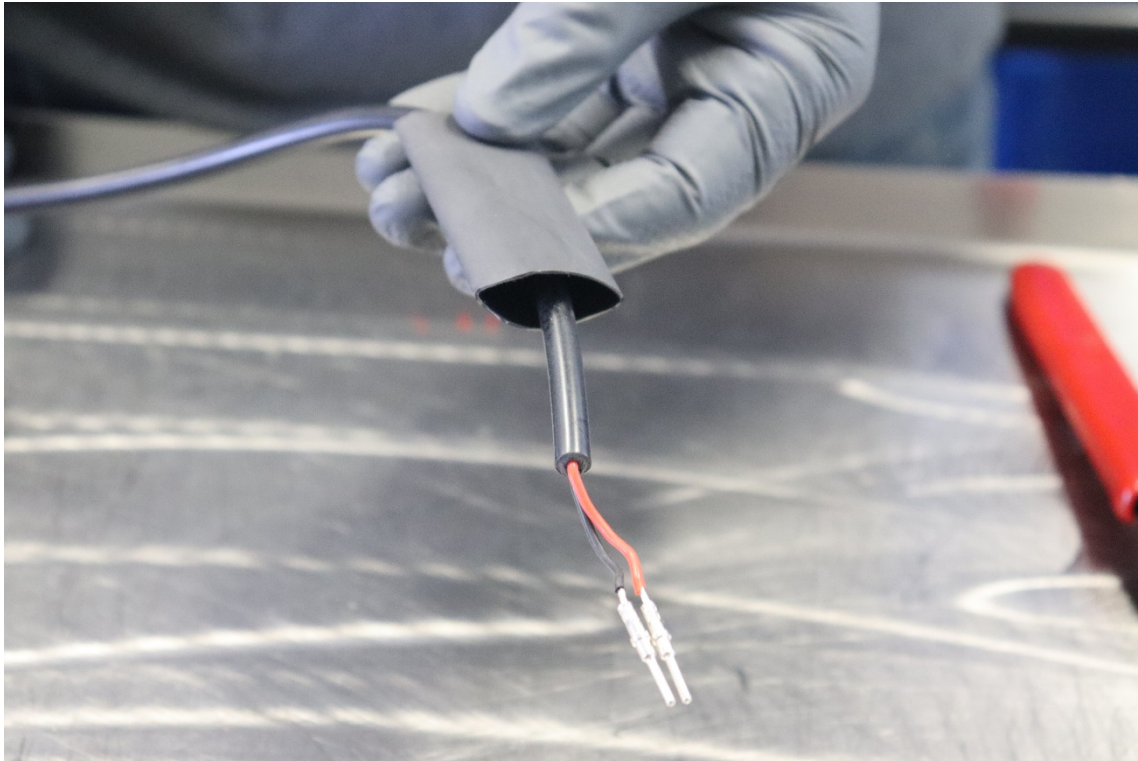


NOTE: Once the wire ends are crimped with the connectors, slide the wire through the lower hole on both of the CDR Series Mirror brackets. This is done so you can mount the pods with the wire in the proper position. The final results are shown below for reference.

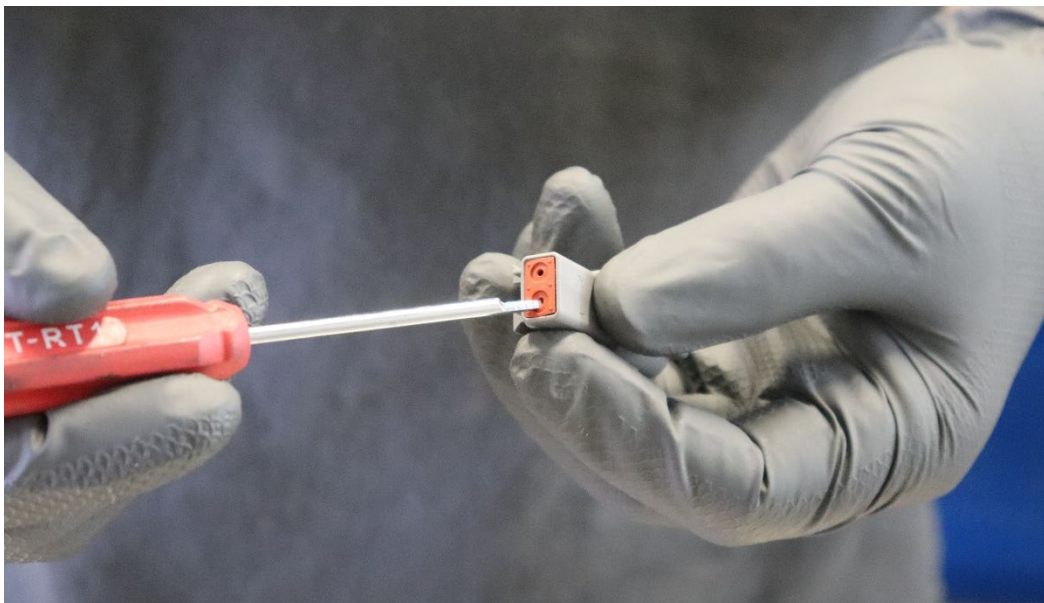


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4. Slide the provided heat shield sleeve over the wire ends. This is simply to prep for later, do not apply heat yet.



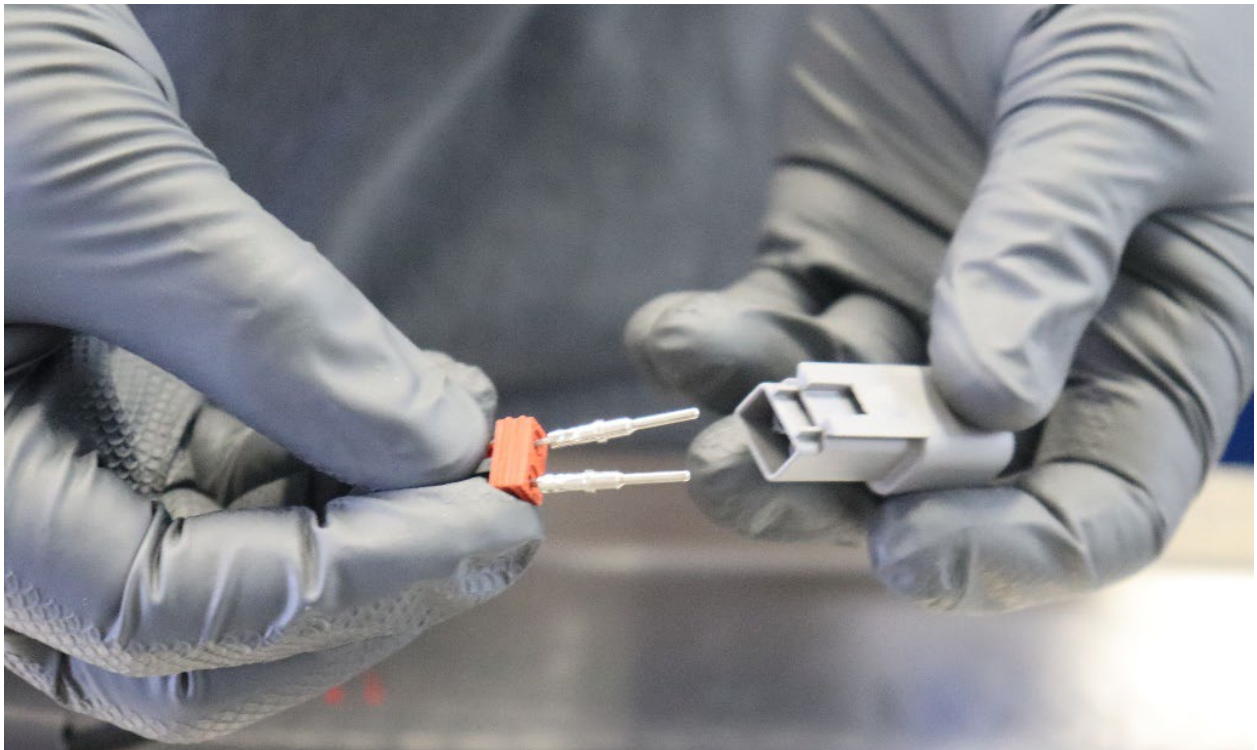
5. Remove the Deutsch connector dust plug from the male connector.

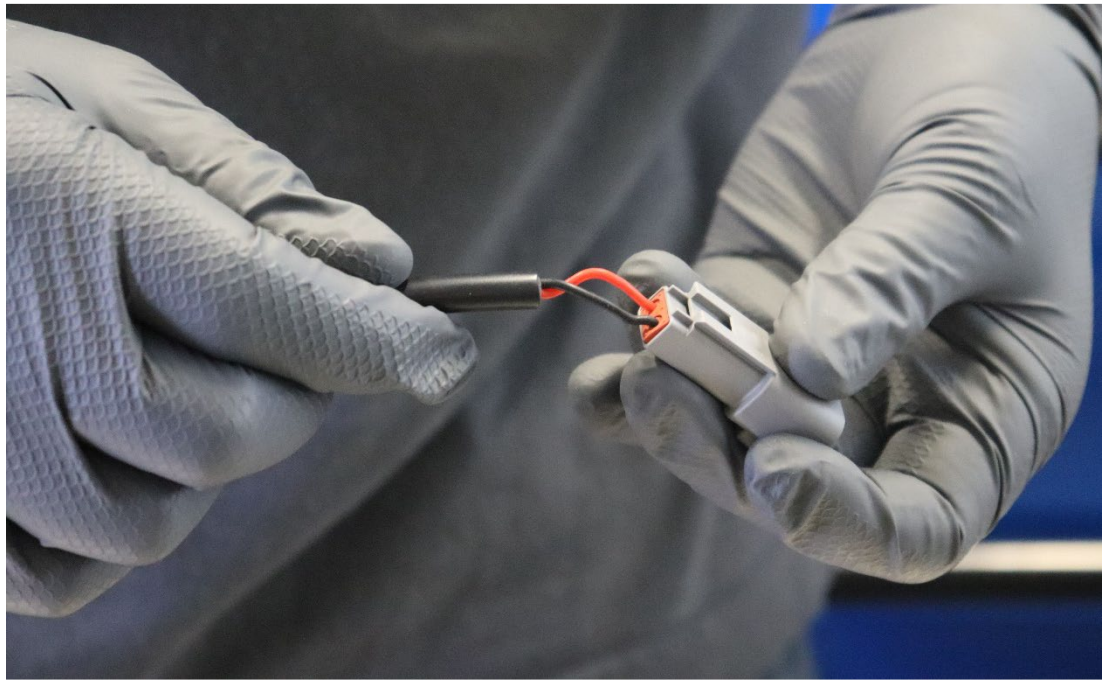


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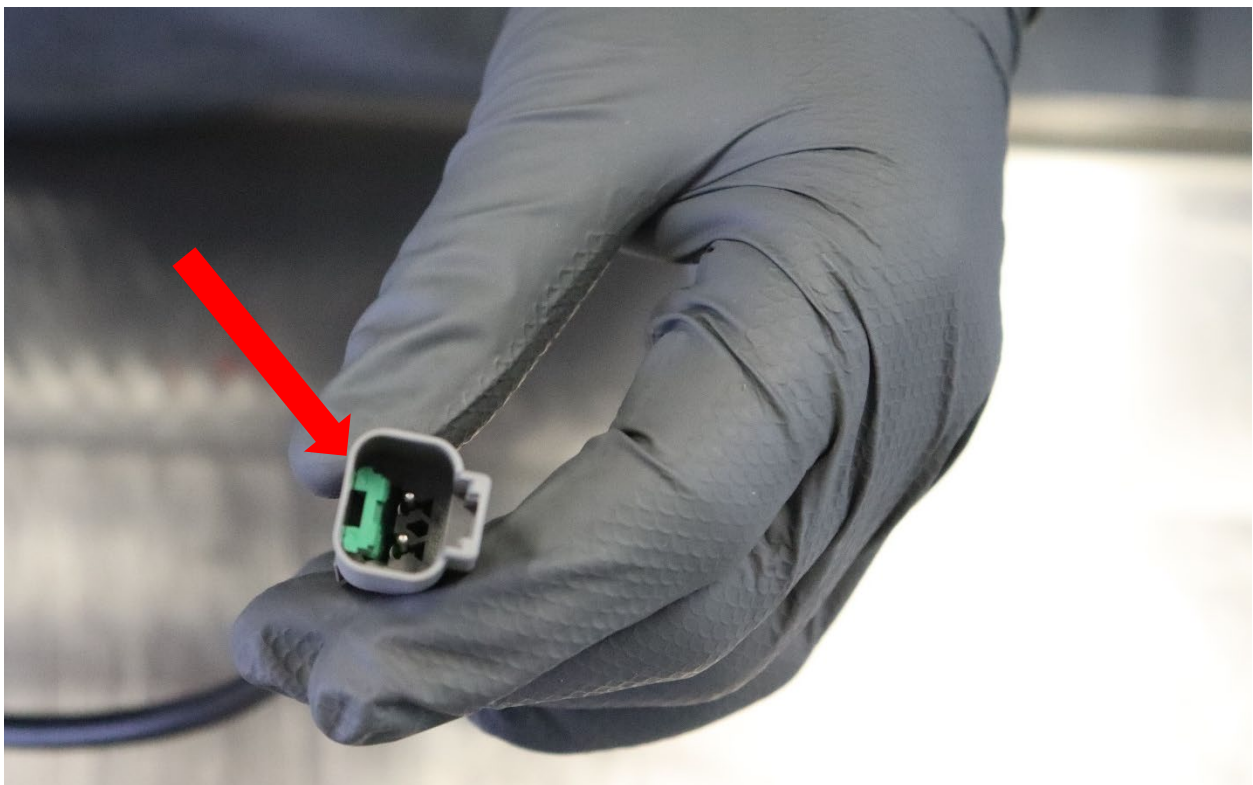
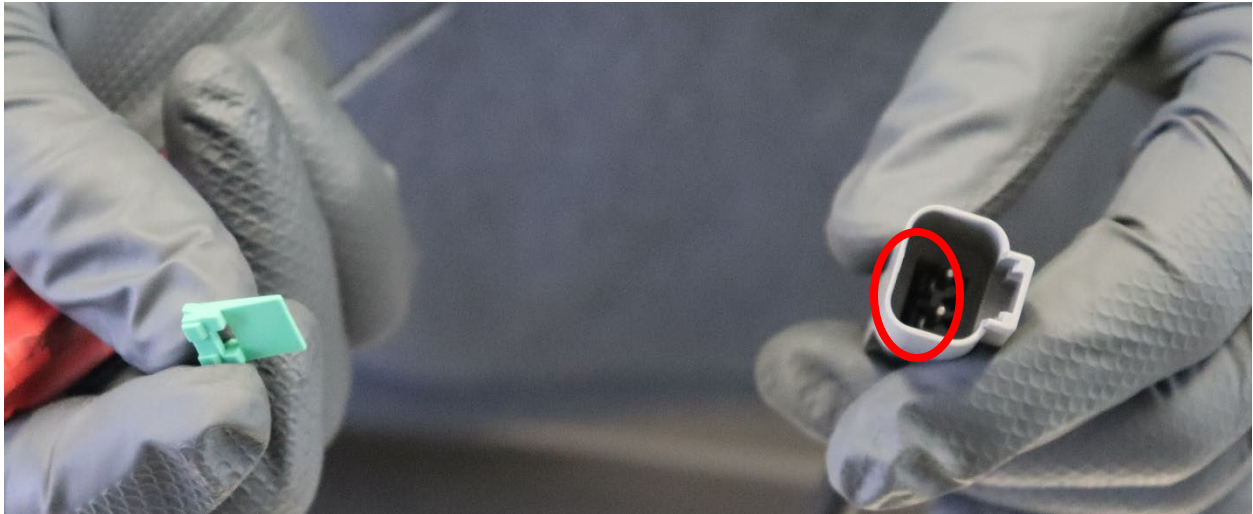
6. Slide the dust plug over the wire ends and insert the plugs as shown. You should hear a click when the prongs are inserted into their respective slots.

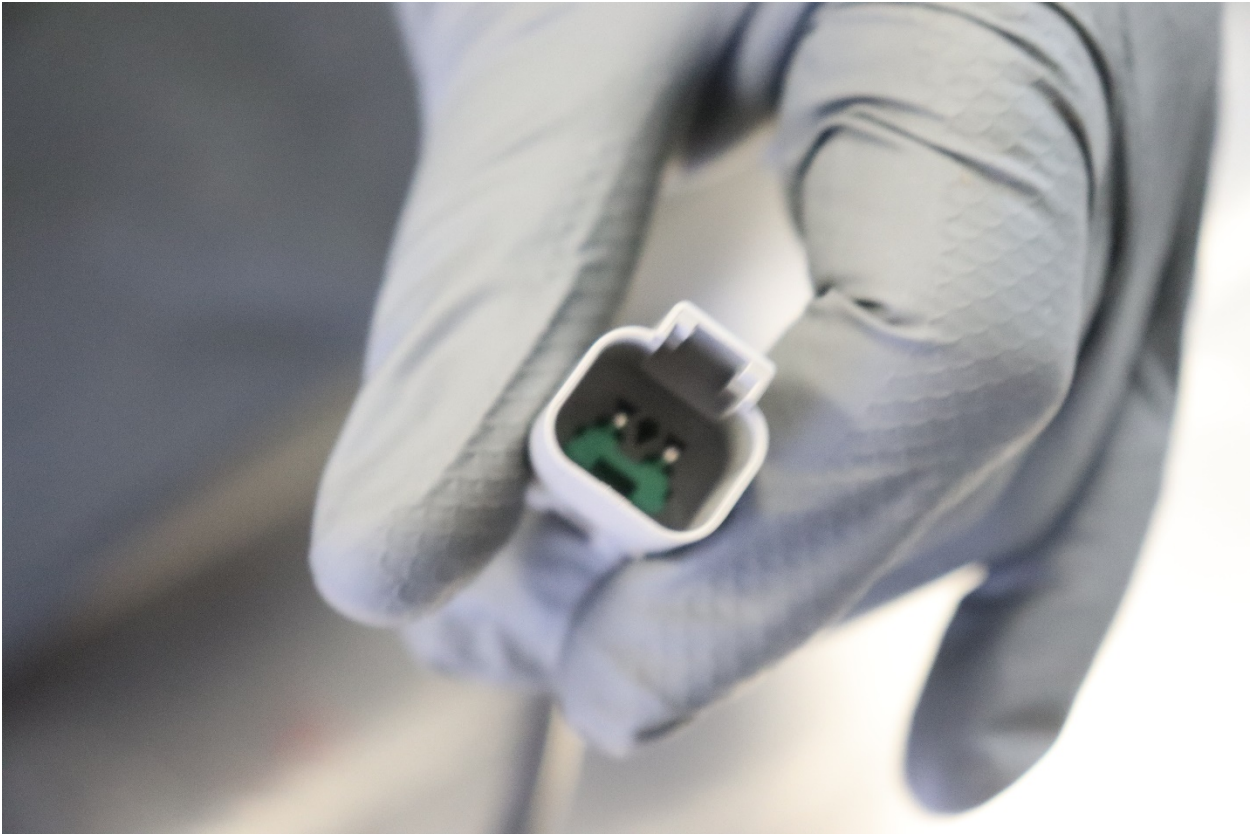
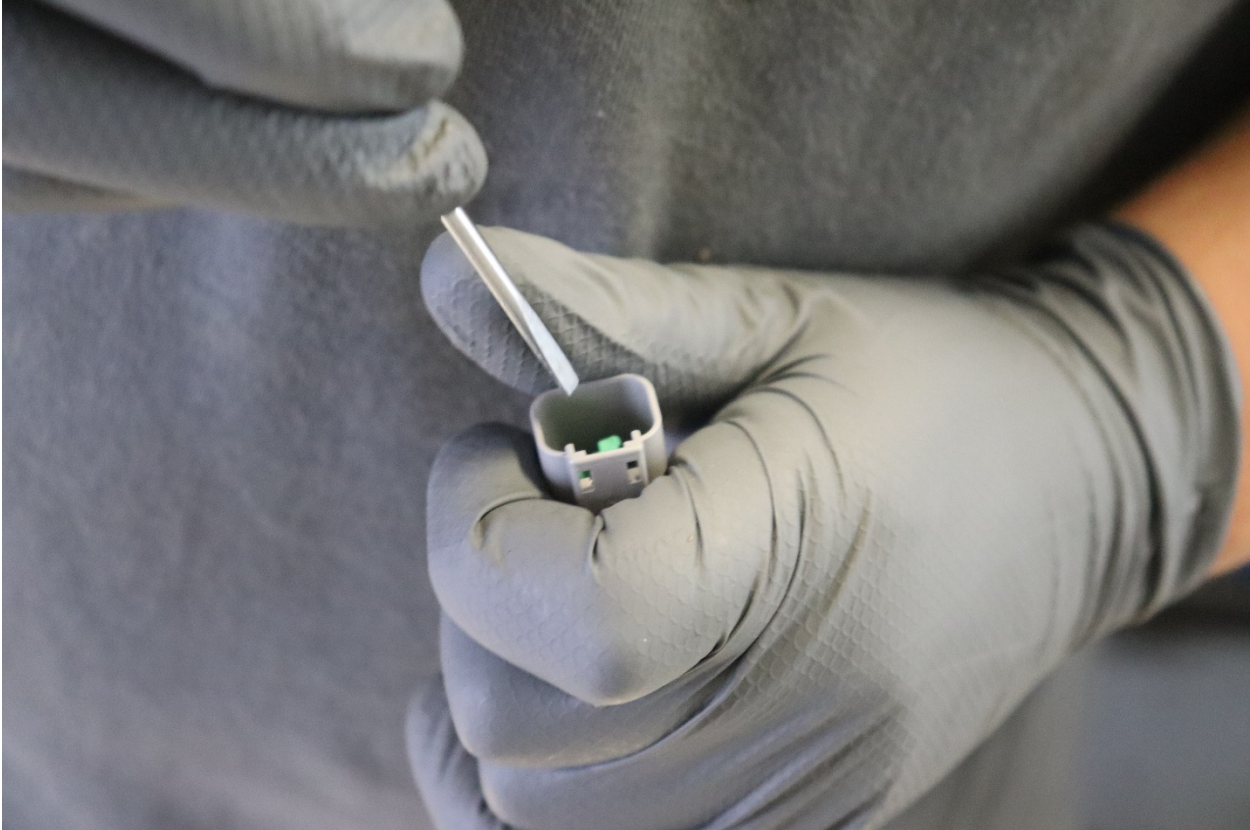




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7. After the wire prongs are in place, the green wire locking mechanism needs to be inserted into the plug using a flathead screwdriver. It will be inserted into a slot directly below the wire prong ends that show in the connector body. Be sure to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





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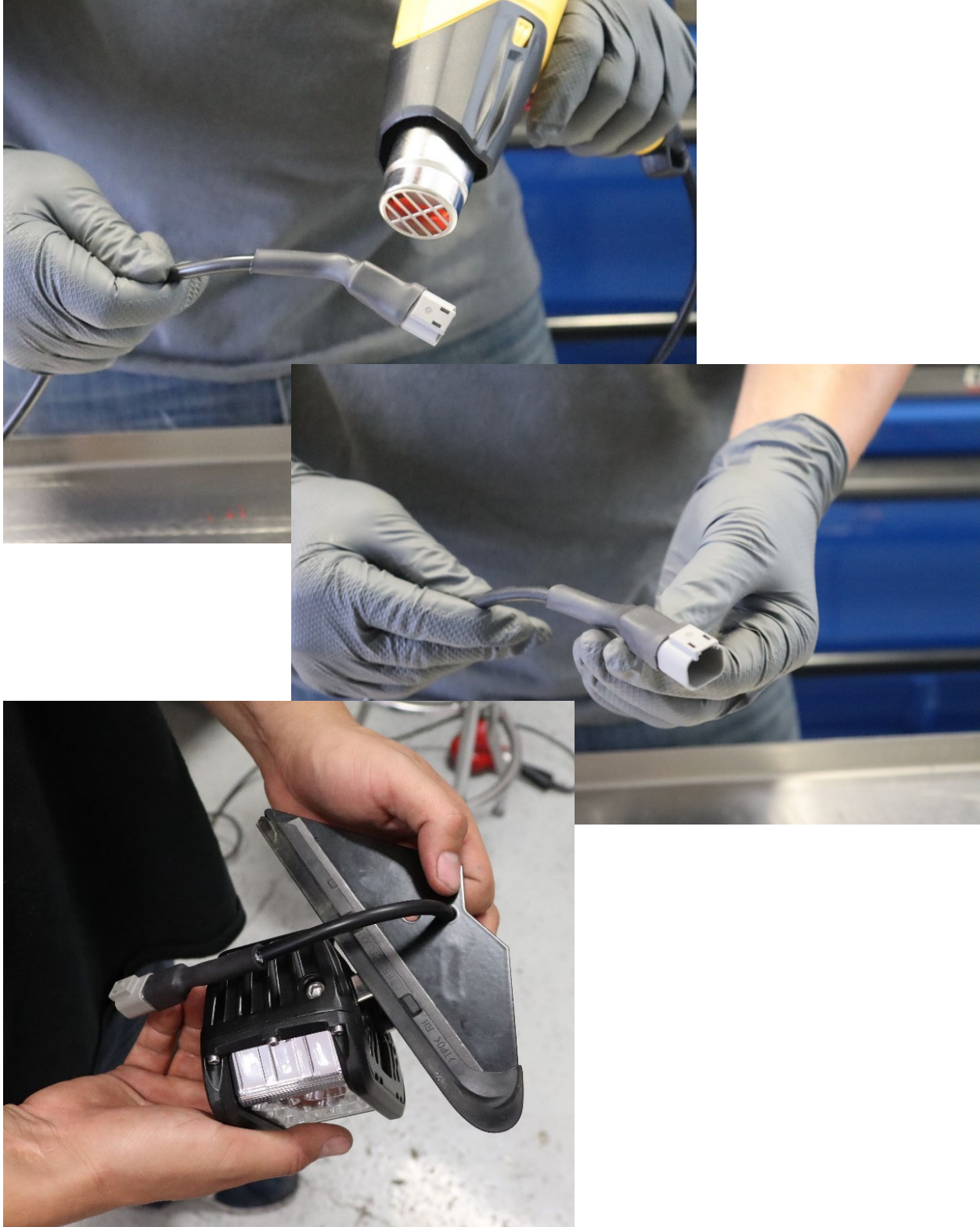
8. Once the wire ends are locked into the plug connection body, slide the heat shrink from step 3 into position so that the wires are either not showing or barely showing.



9. Apply heat to the heat shrink.



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

Mirror Bracket Installation Instructions

1. Remove Plastic cover from door frame. Repeated for both sides.



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2. Remove 10 MM bolt as shown (10 MM socket) Repeated for both sides.





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3. Pull the two mirror pod connector ends mentioned in step 20 and 25 of the harness installation through the fender well so that they are exposed in the door frame. This will make the wire connections much easier. Shown on drivers side.



4. Connect the wire ends between the harness and the light pods and feed the excess wire back into the fender well.





5. Finish bracket prep, by inserting provided button head allen wrench into the upper hole position. Slide provided spacer on to allen bolt extruding from the bracket.



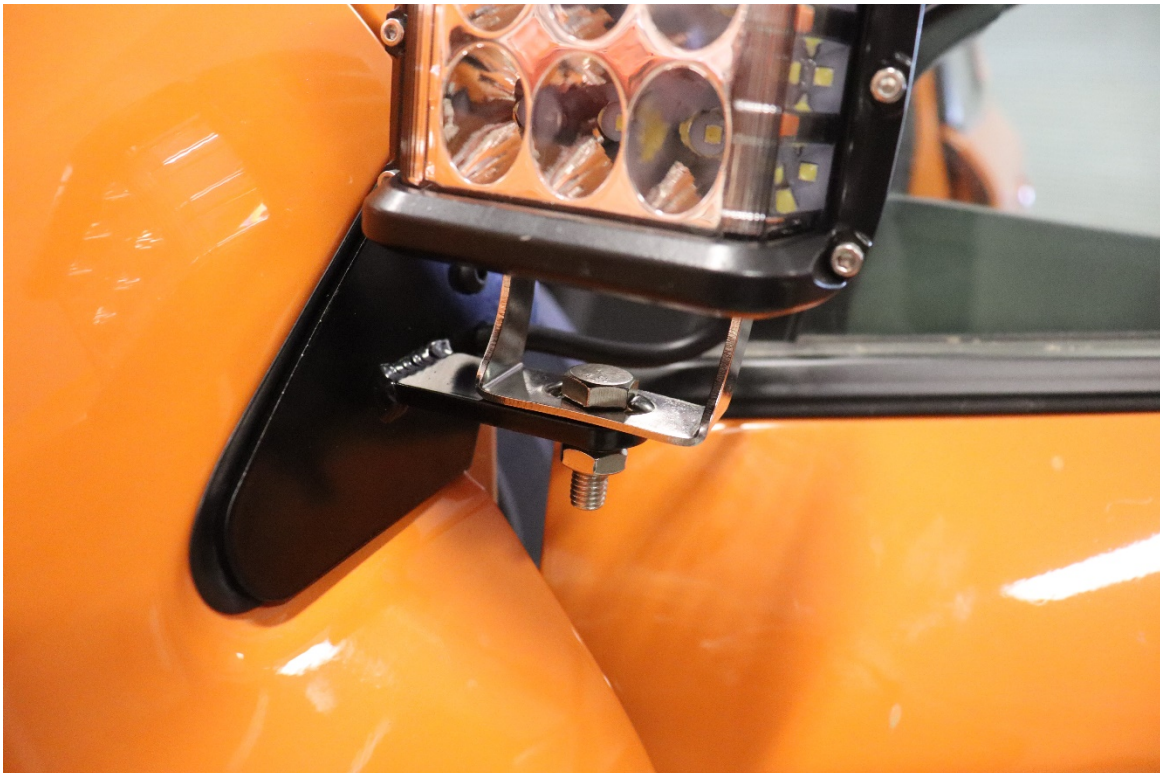


6. Mount bracket on to vehicle. Tighten with 8 MM allen wrench and adjust bracket for correct orientation as you tighten.



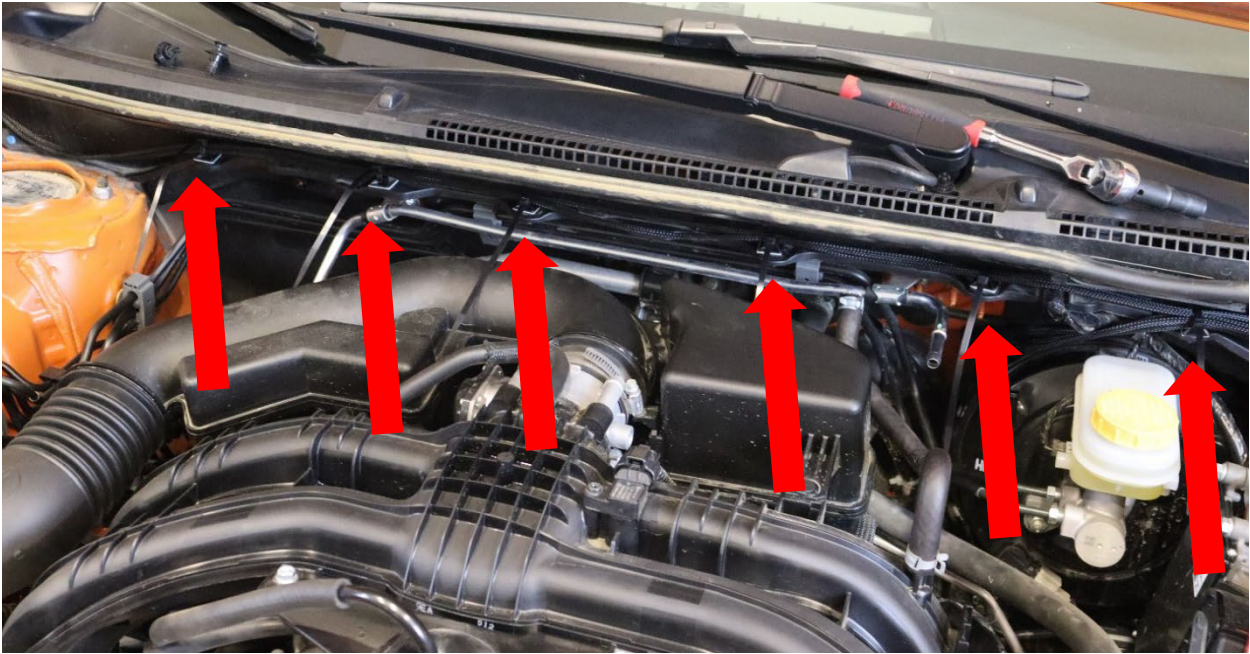
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7. Mount the light pod to the mirror bracket. Adjust the light beam direction and tighten both the mirror bracket and the light pod bracket. (14 MM Socket, 14 MM ratchet wrench, ½" Ratchet Driver)



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- When the wire harness and pods are connected, you may start tightening zip ties and wires in the engine bay. Fasten the switch wire lead to the designated sticky harness mentioned in step 23 of the harness install section, while also routing the passenger pod wire through this harness. Make sure to leave enough slack in the mirror pod wire so it can reach the mirror light pod and connect without too much strain. Fasten the wire running across the engine bay to the sticky harnesses mentioned in step 7. Be sure to double check all wires to be sure none are too tight or in danger of damage. Reinsert Foam inserts removed from the fender gaps.



9. Double check all connections and mounting points. Enjoy your new Mirror light pods from Crawford!



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.

**2319 E Locust Ct. Suite A
Ontario, California 91761**

Technical@crawfordperformance.com

(855) 677-8243

