Installation Guide for 18-24 Jeep Wrangler JL / Gladiator JT Headlights

NOTE: *Some vehicle require the DRL harness installed for the headlight to function properly.*

Do NOT use dielectric or any type of weather sealing grease on connectors or sockets.
Doing so will result in connection problems and will not be covered under warranty. Please click HERE for further explanation.

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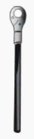
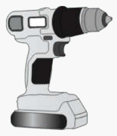
Disclaimer: This installation article is a tutorial guide. By reading this article, you agree it is for reference only and AlphaRex USA and its distributors make no guarantee on the finished results. Under no circumstances whatsoever shall AlphaRex USA nor its distributors be liable for any damage, misuse or personal injuries. If you do not fully understand the installation procedure, it is highly recommended that you seek help from professional mechanics to do the installation.

INSTALLATION TOOLS

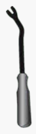


1/4 Ratchet

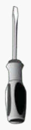


Power Tool

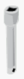
NOTE: When using power tools, always ensure that you do not overtighten the screws.



Metal Panel Popper



Flat Screwdriver



1/4 Extension

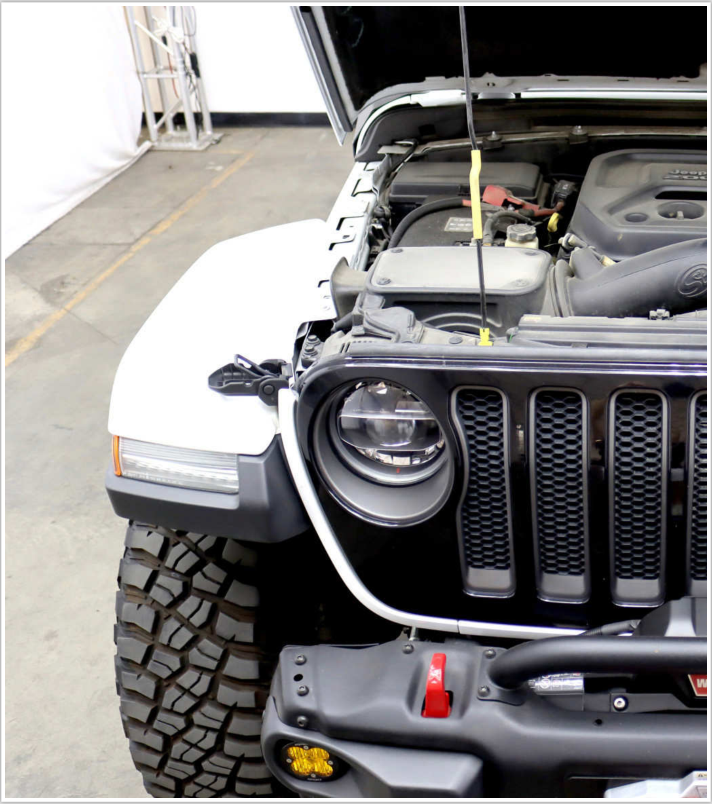
Socket

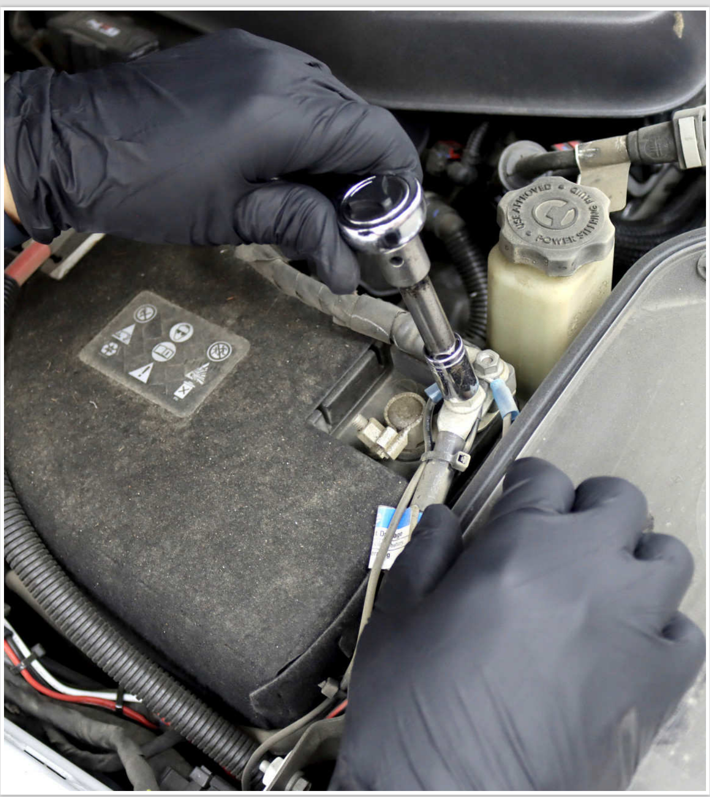
SIZE NEEDED 10

PART I - Remove Headlights

STEP 1 DISCONNECTING THE NEGATIVE BATTERY TERMINAL

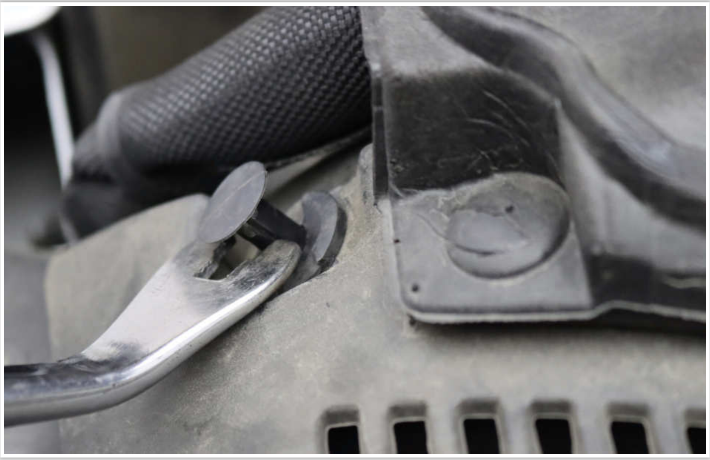
Whenever working on your vehicle always start by disconnecting the negative battery terminal.

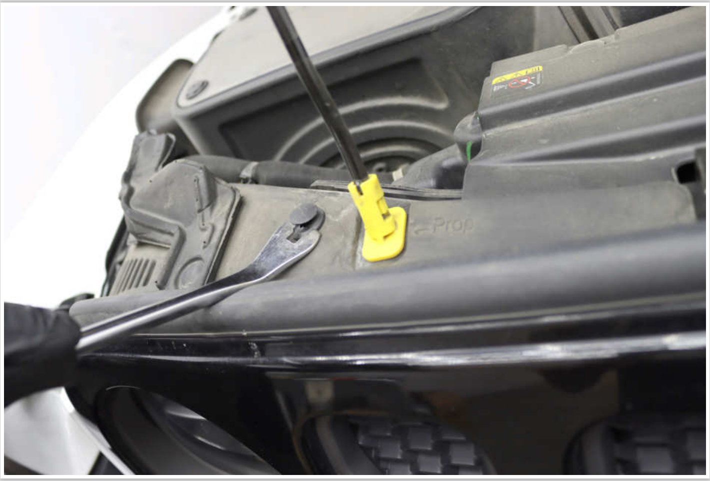


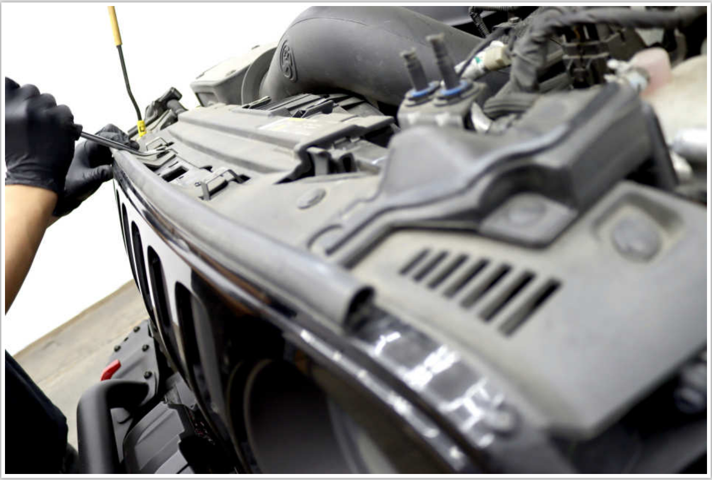


STEP 2 REMOVE THE GRILLE

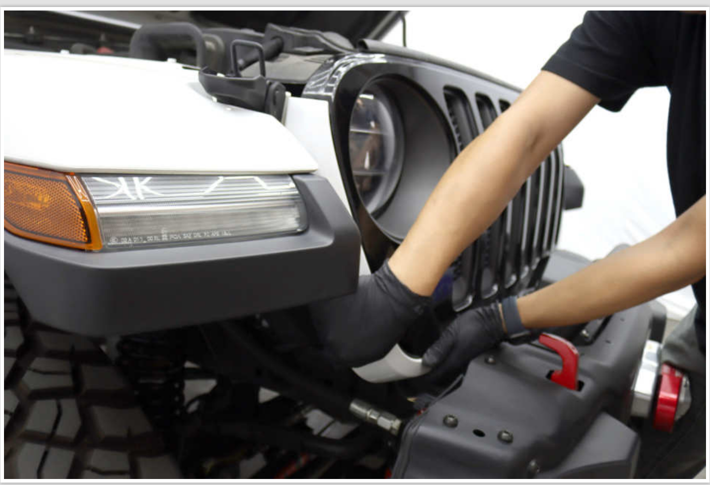
Detach the plastic clips located on the upper section of the front grille.





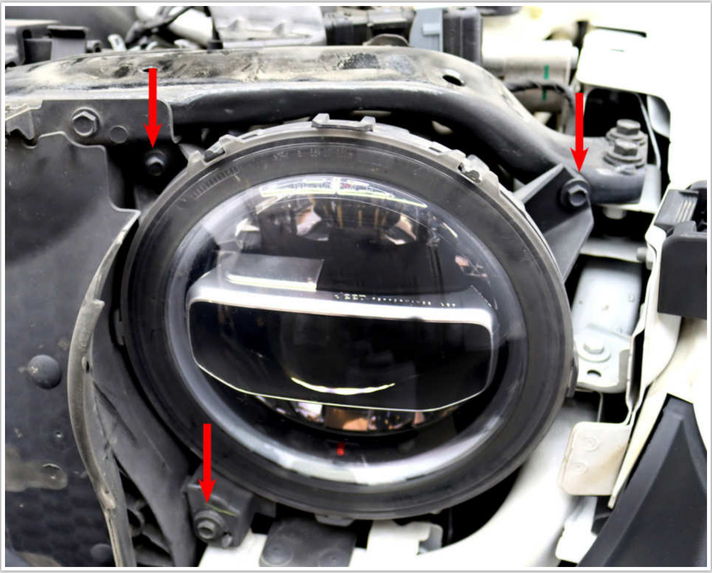


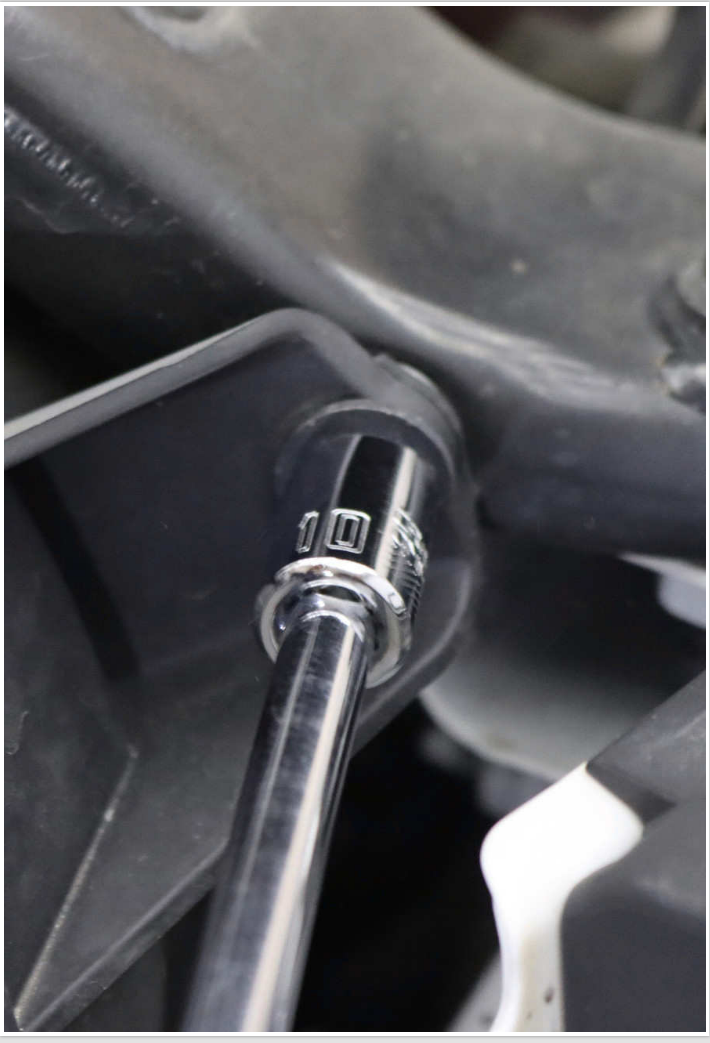
Lift the grille with a gentle upward motion, releasing the lower clips. After disengaging the clips, carefully pull the grille out to complete the removal process. Set the grille aside for future re-installation.

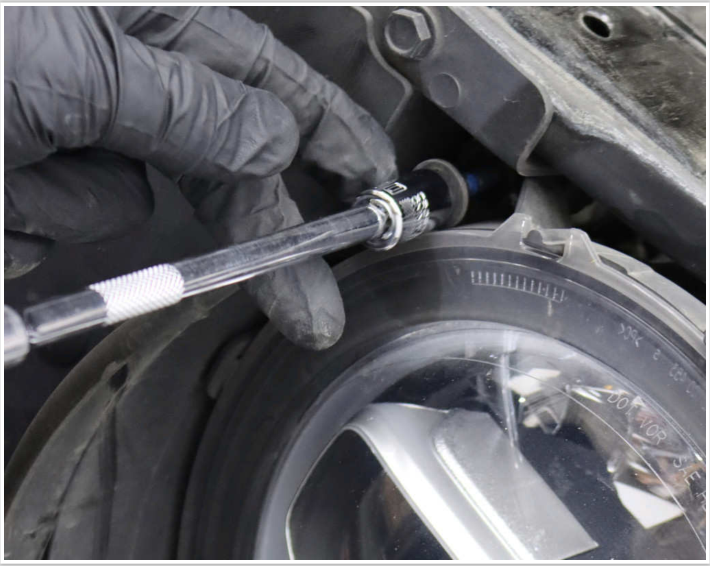


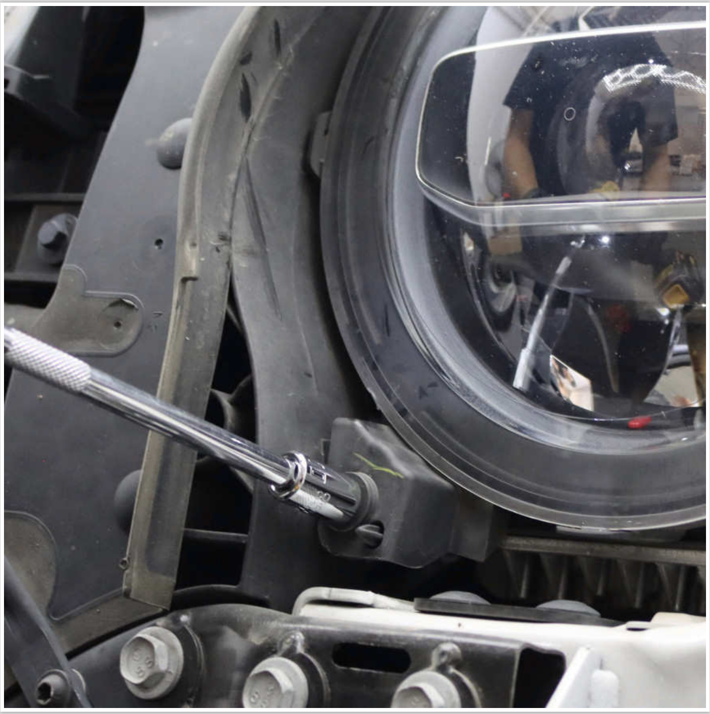
STEP 3 REMOVE THE HEADLIGHTS

Unscrew the three 10mm bolts securing the headlight assembly.

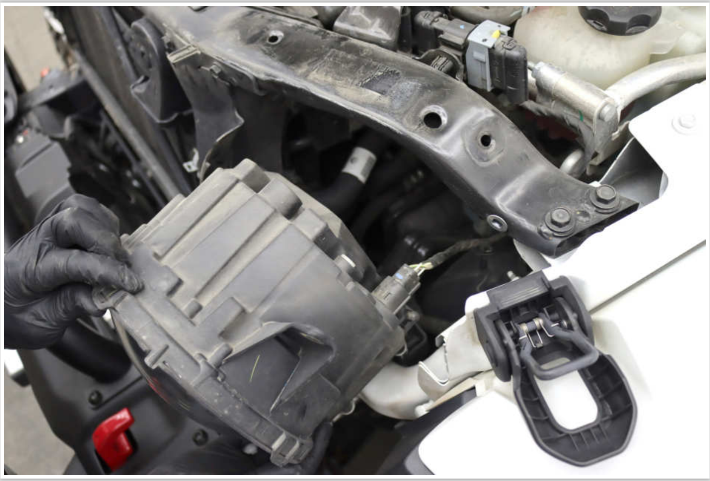


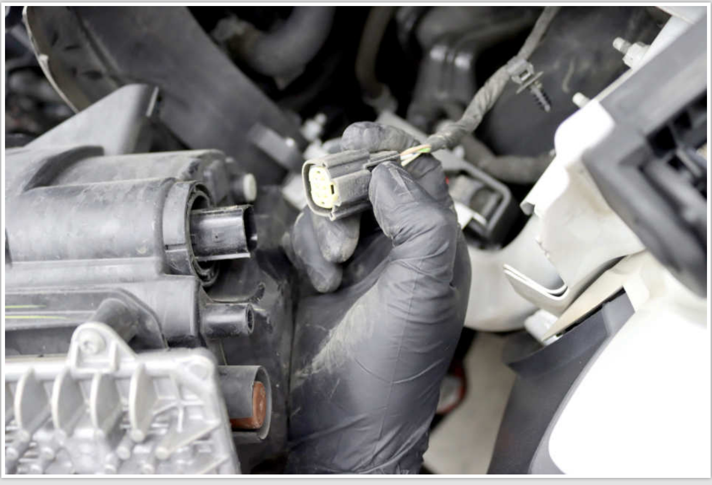


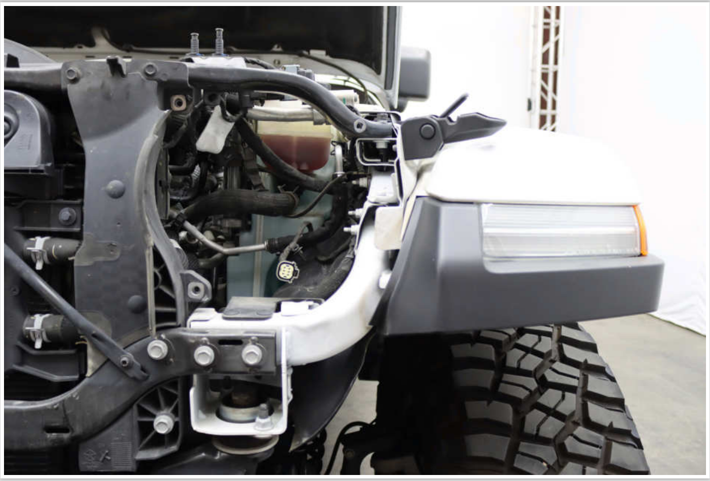




Take out the headlight by detaching it and disconnecting the light sockets. Repeat the same procedure for the opposite side of the headlight.

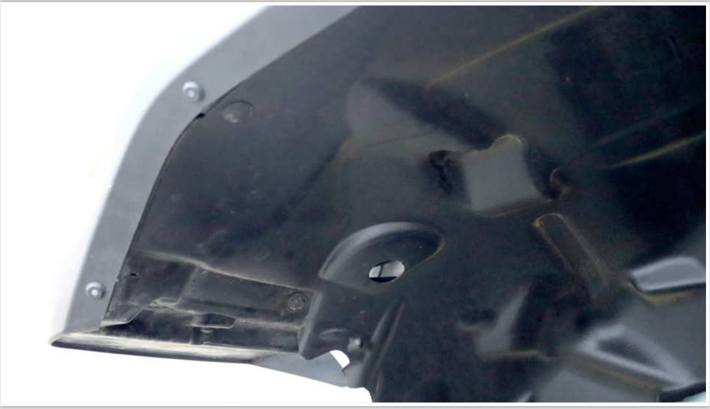


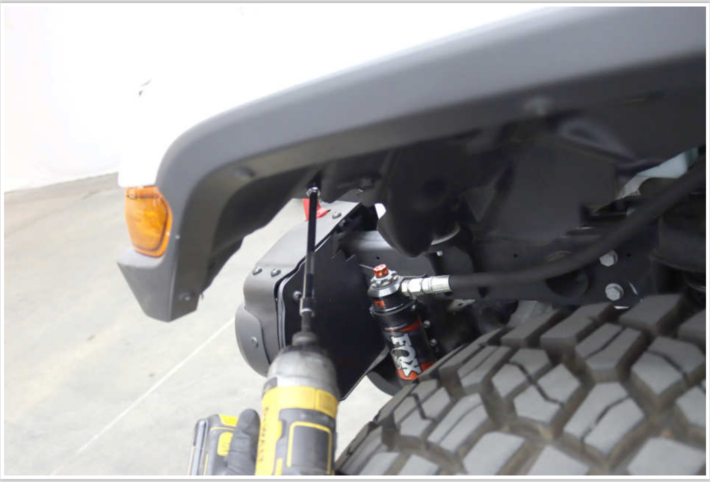


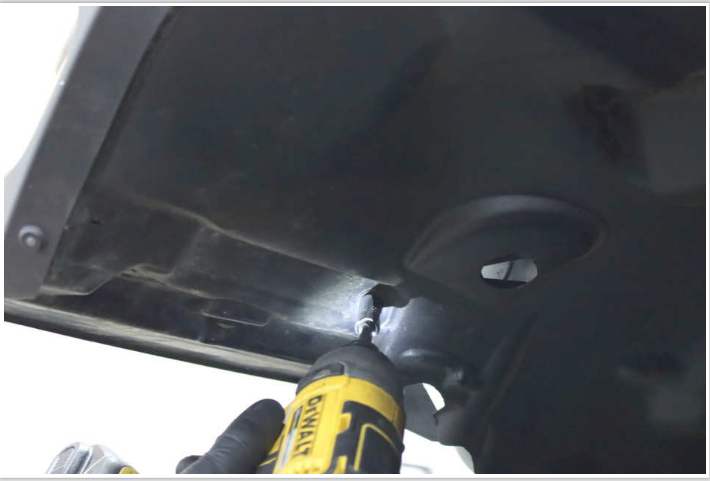


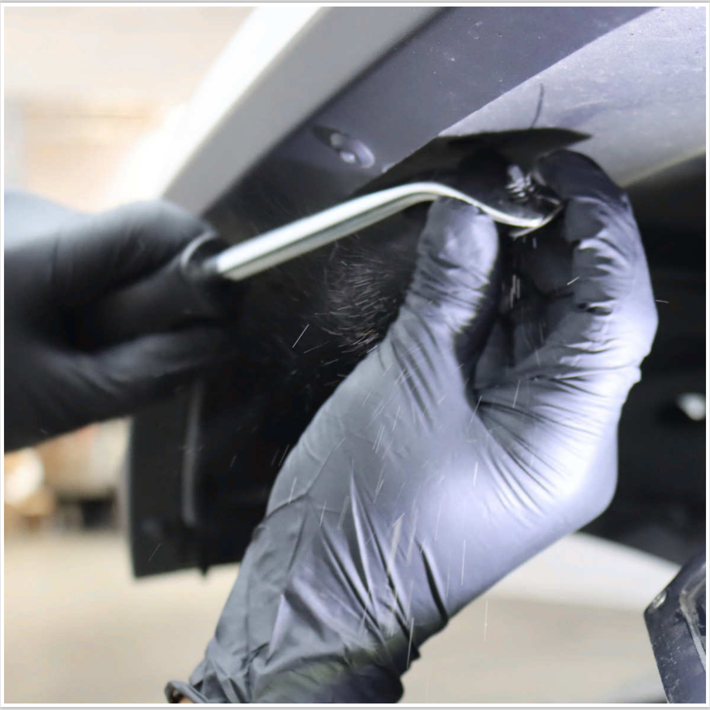
STEP 4 UNPLUG THE TURN SIGNAL HARNESS

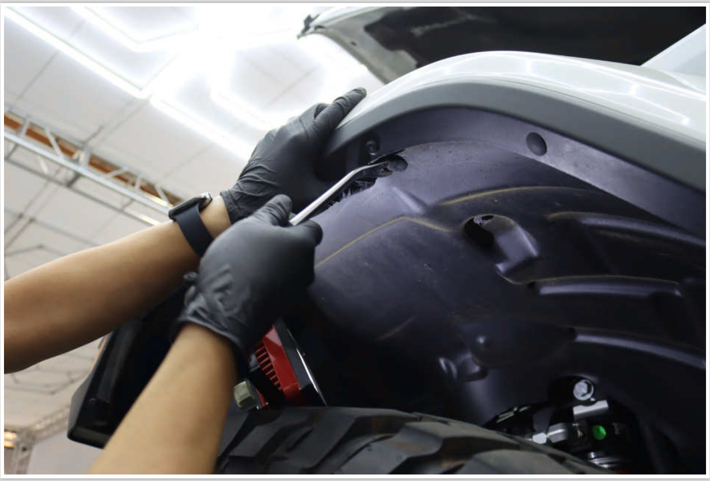
Unfasten the plastic clips and 10mm bolts that secure the wheel liner, and subsequently, remove the wheel liner to gain access to the turn signal harness.

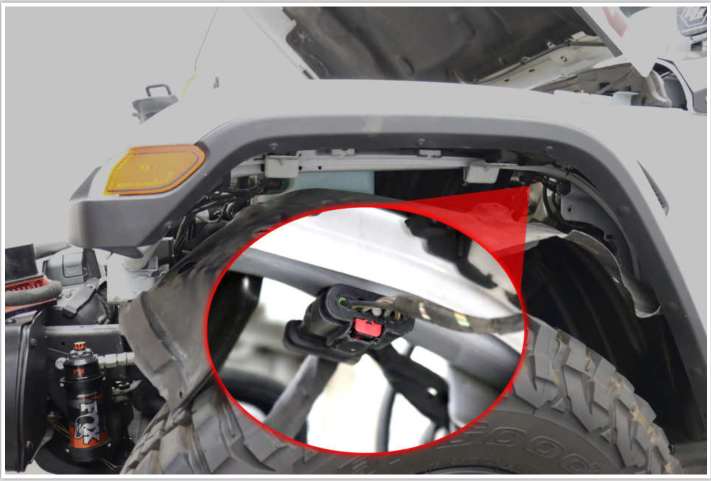




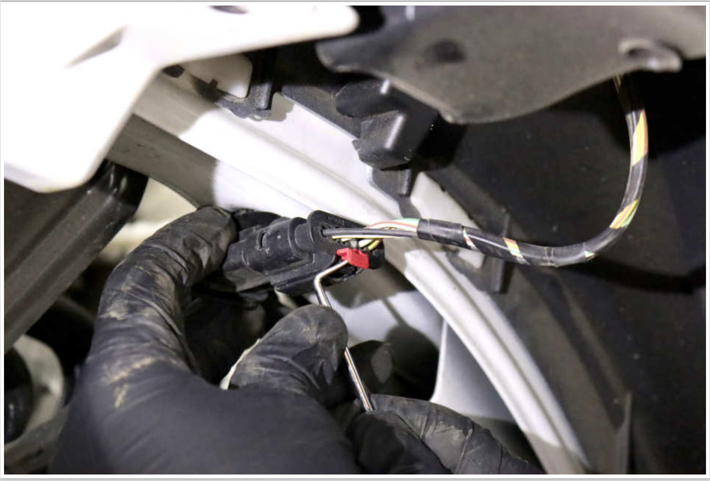


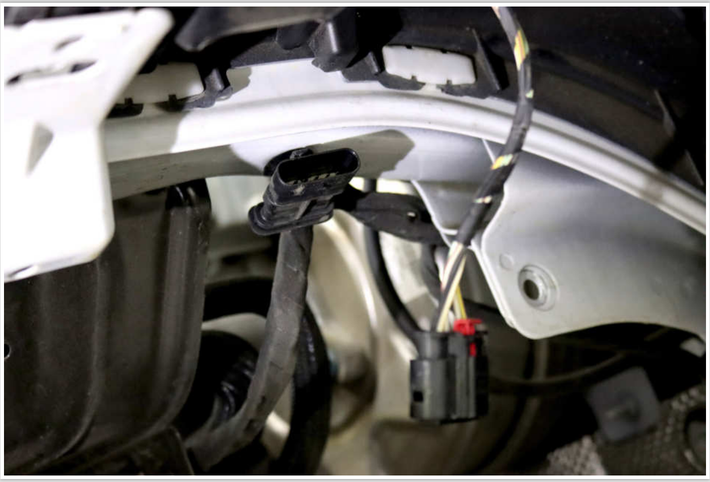






Disconnect the turn signal harness, and replicate the same procedure on the other side before proceeding to install the new ALPHAREX headlights.



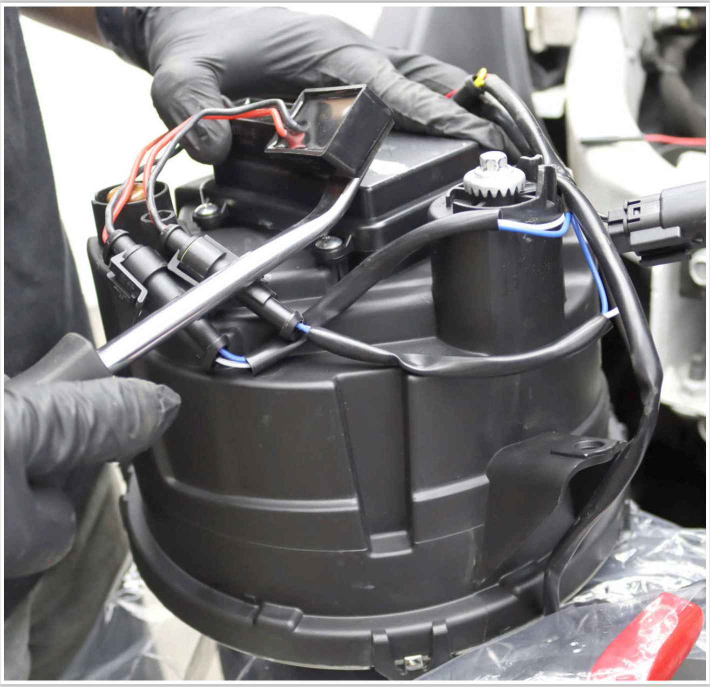


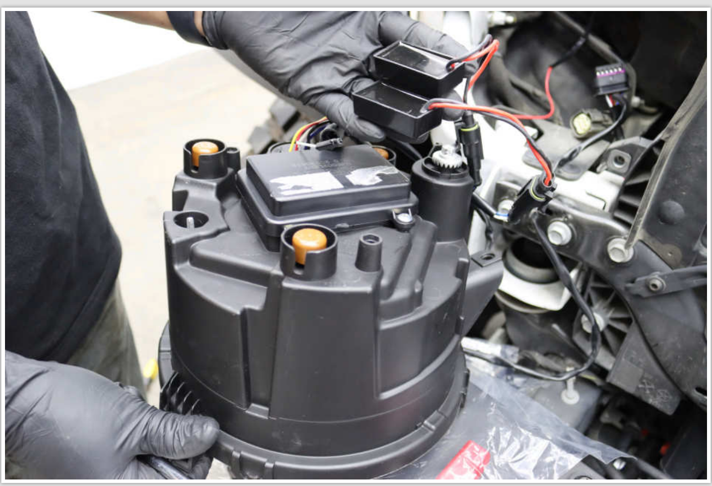
PART II - Install Headlights

STEP 5 REMOVE THE ATTACHED MODULES (PASSENGER'S SIDE ONLY)

Due to the various trim and model variations for the 2018-2023 JEEP Wrangler (JL) | Gladiator (JT) and the attachment of modules at the back of the headlights using double-sided tape, there may be insufficient space for installation due to the airbox.

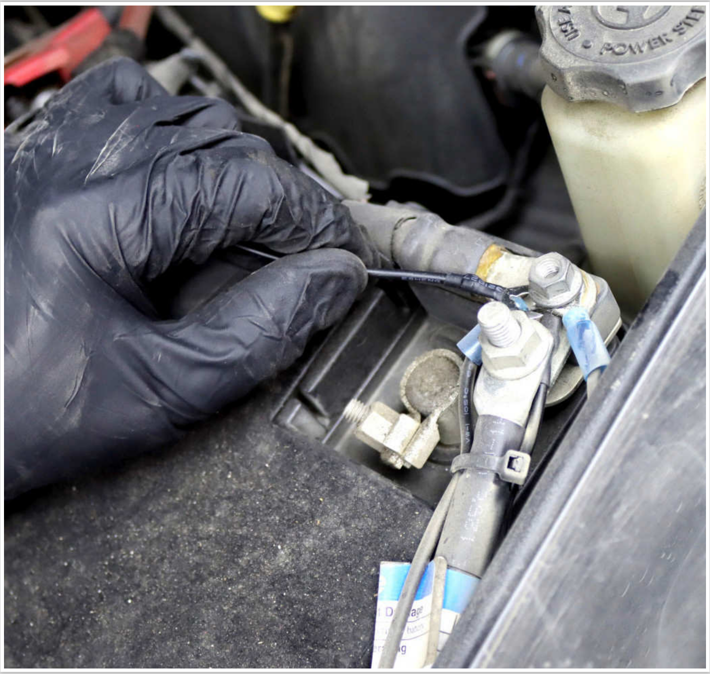
Before installing the passenger's side headlight onto the vehicle, it is crucial to detach the modules. Utilize a panel popper to carefully detach the modules, taking into consideration the constraints posed by the airbox. This step ensures a proper and obstacle-free fitment of the headlight.



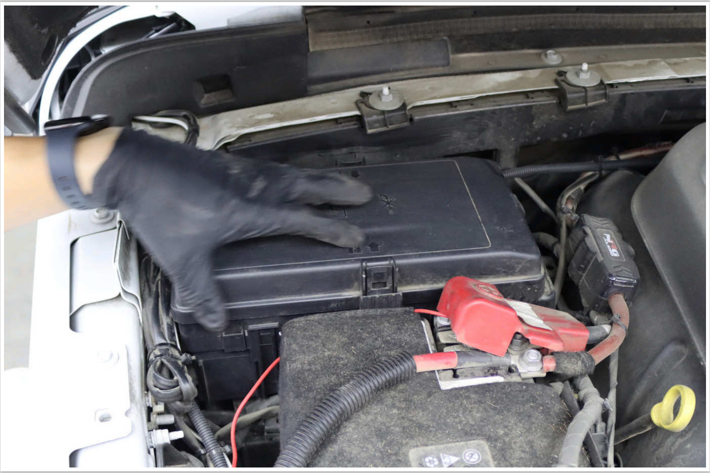


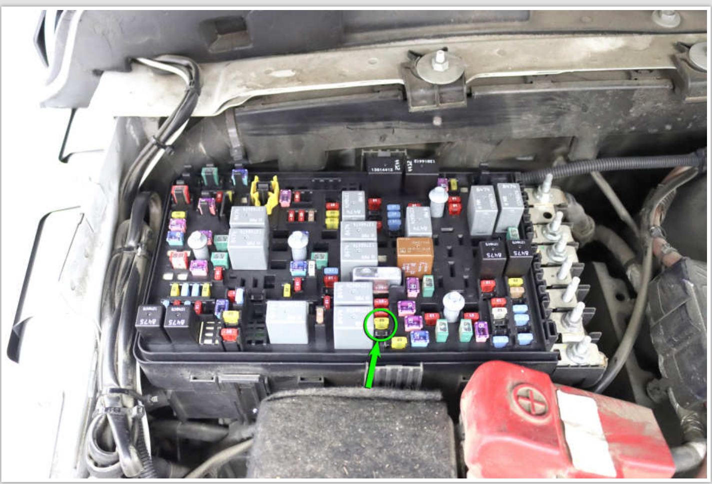
STEP 6 TAP THE FUSES AND ROUTE THE DRL HARNESS

For the Daytime Running Lights (DRL) to operate correctly, it is necessary to tap into the fuse and route the harness accordingly. Attach the red wire to the positive (+) terminal and the black wire to the negative (-) terminal of the battery.

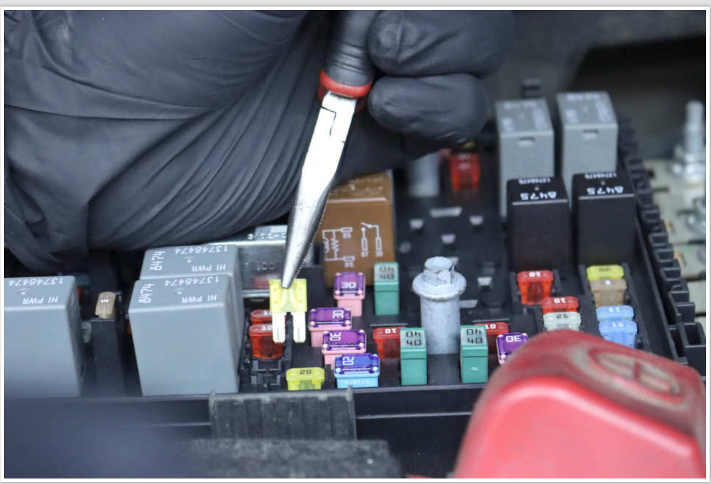


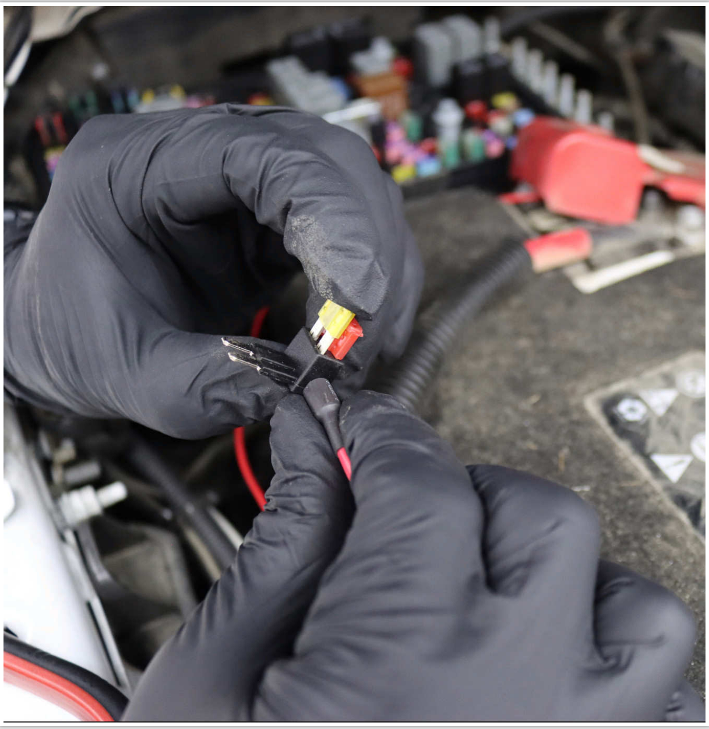
Identify the fuse box in the passenger's side engine bay and open the cover.

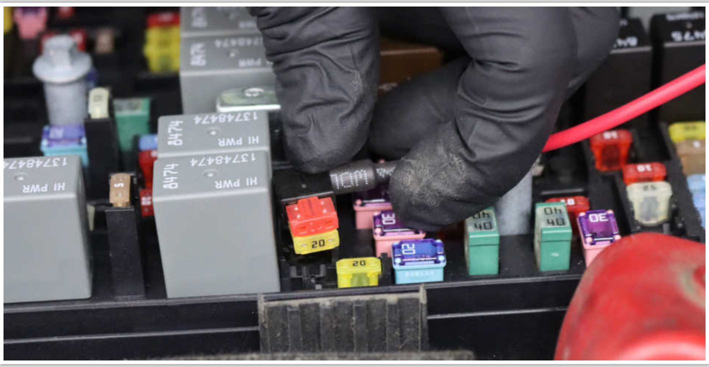


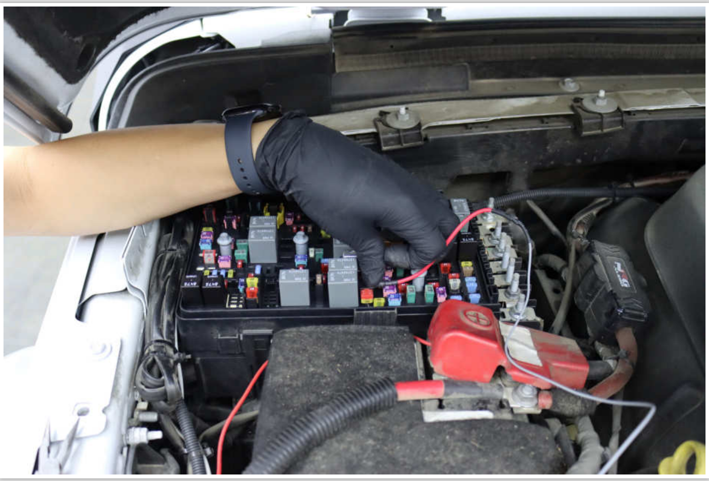


Tap the DRL RED WIRE to the F52 (CIG fuse)

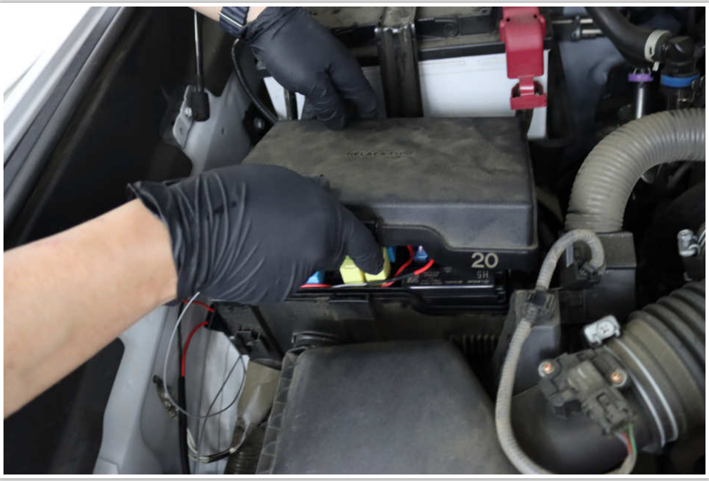


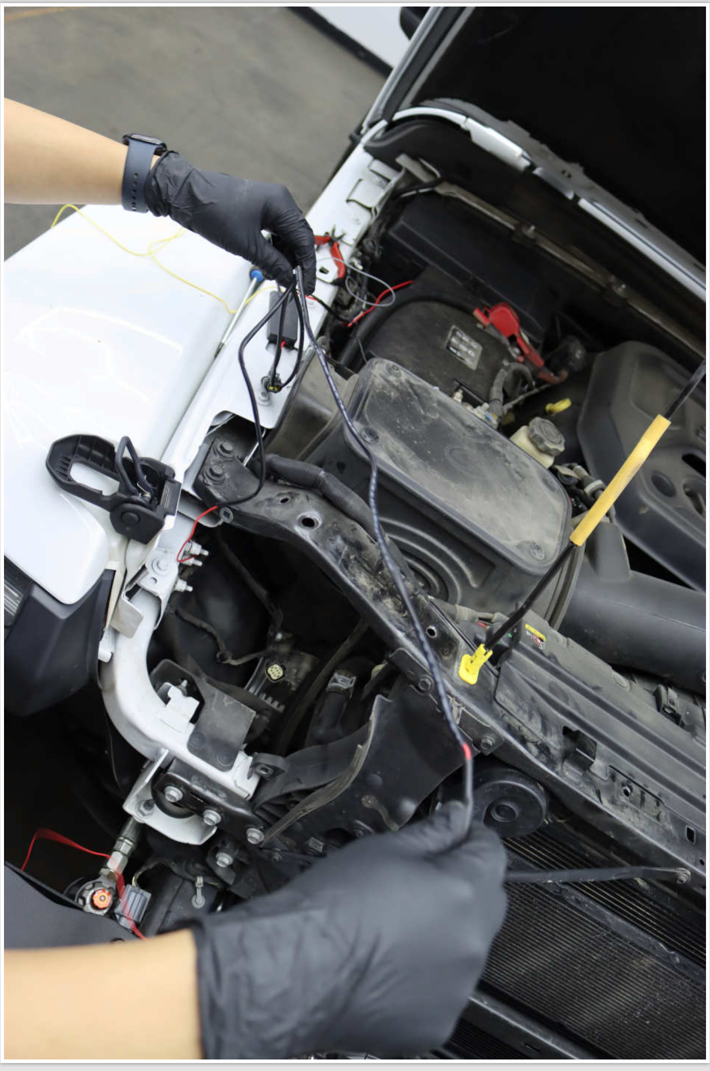


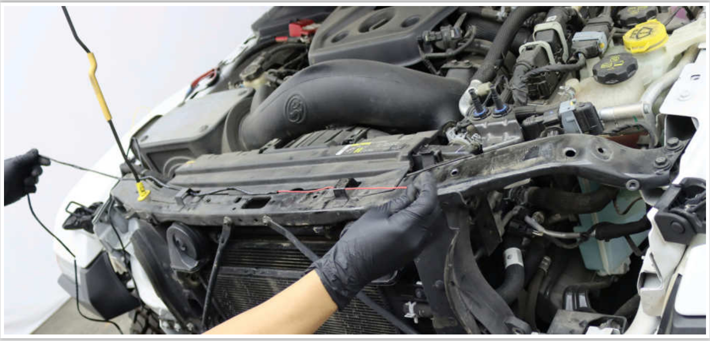


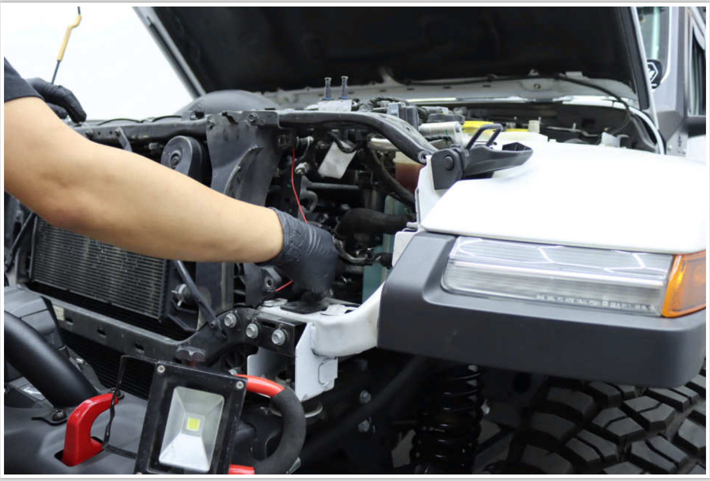


After closing the fuse box cover, initiate the wire routing process. Begin by directing the wire initially towards the passenger's side headlight and then proceed to route it to the driver's side headlight.

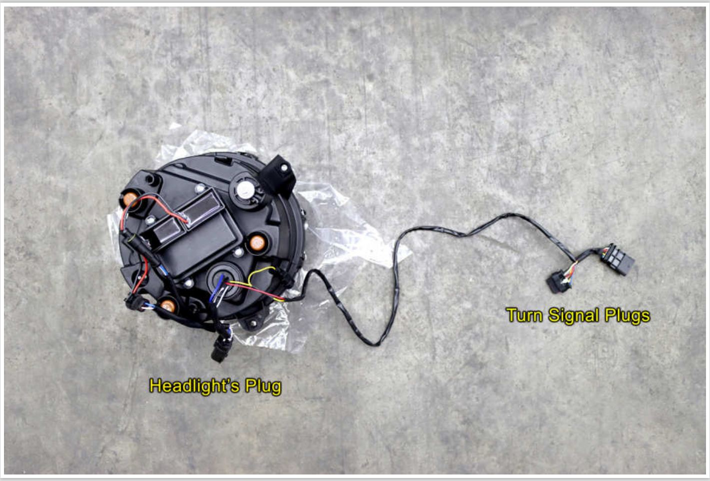




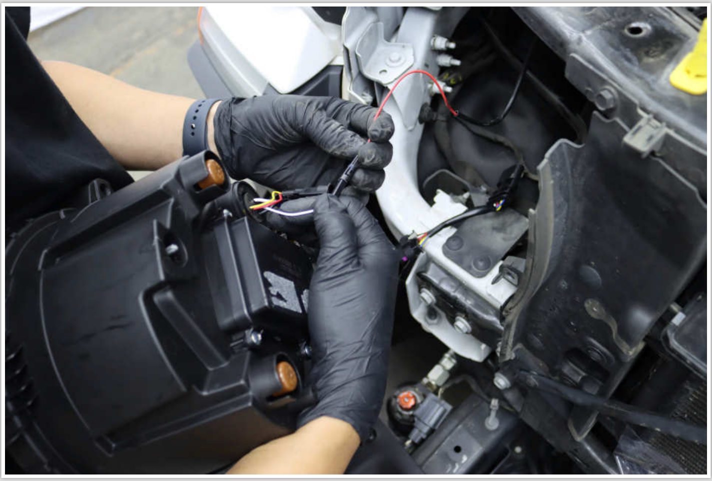




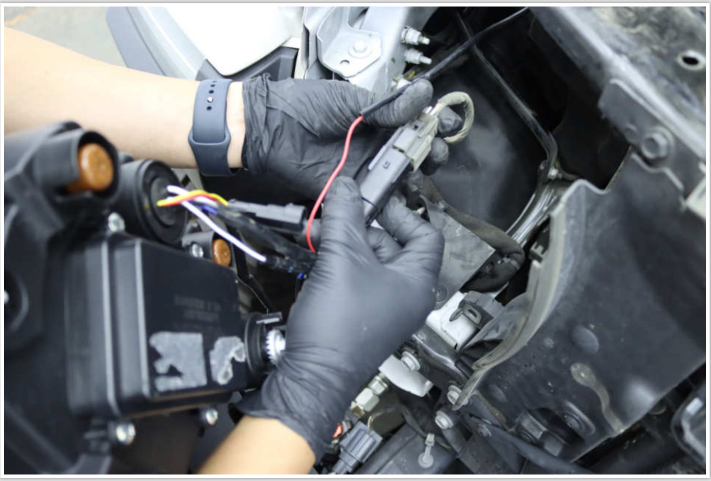
STEP 7 PLUG IN THE HEADLIGHTS



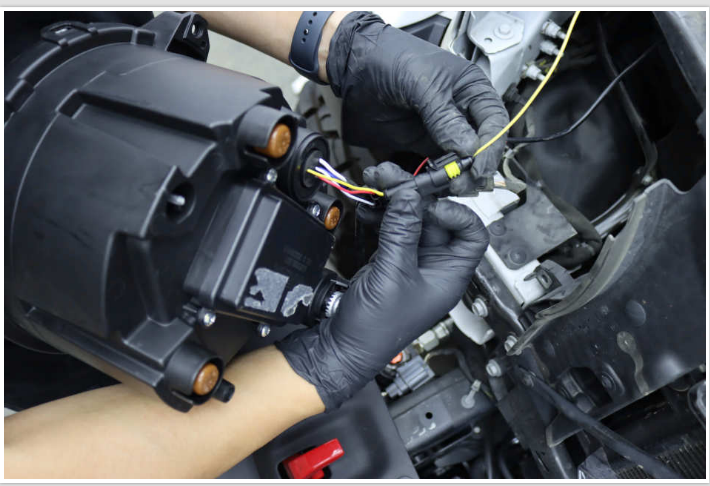
Begin by inserting and connecting the DRL wire into the headlight assembly. DO NOT USE DIELECTRIC GREASE!



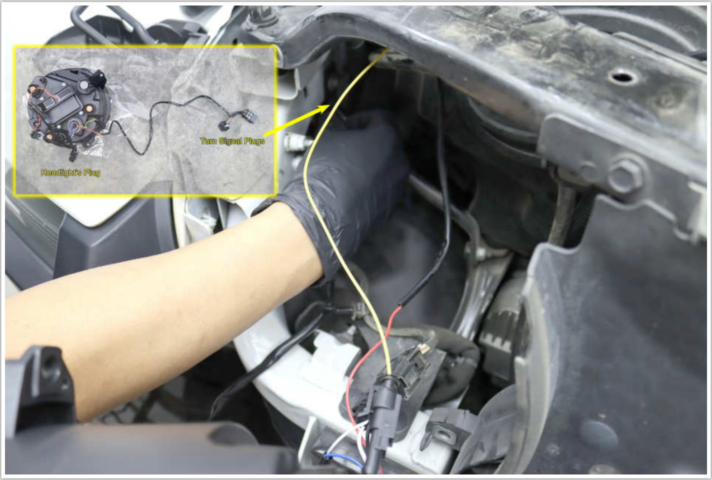
Connect the headlight's plug into the corresponding connector.



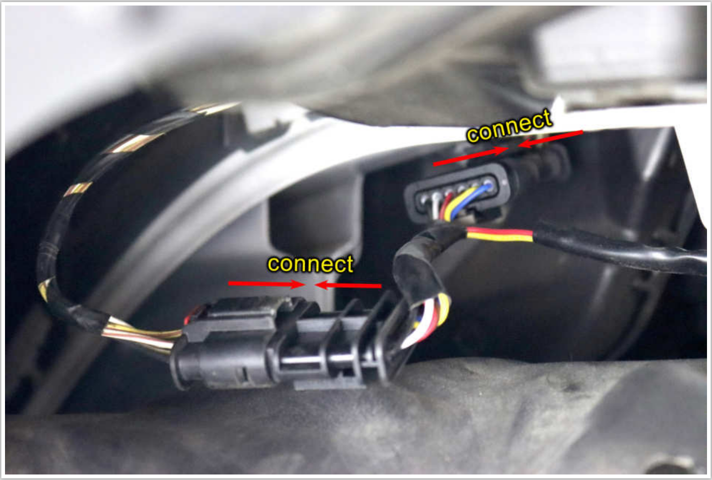
Next, link the turn signal yellow wire from the DRL harness to the headlight assembly.

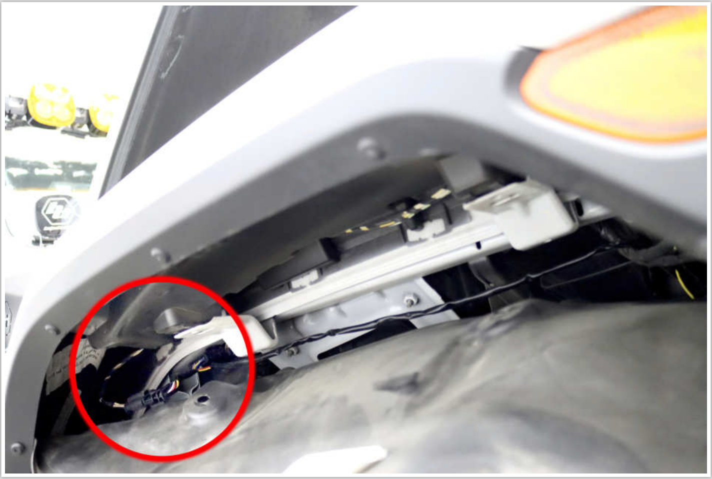


Guide the turn signal plugs to the designated location of the vehicle's turn signal connector.



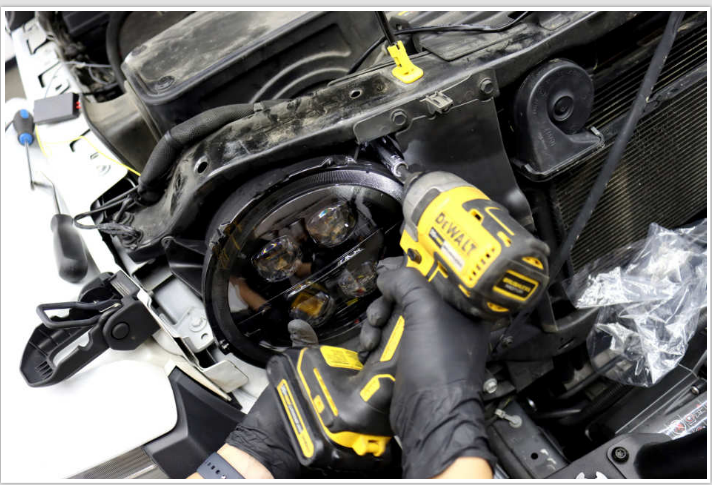
Attach and secure the turn signal plugs to the corresponding connector. DO NOT USE DIELECTRIC GREASE!

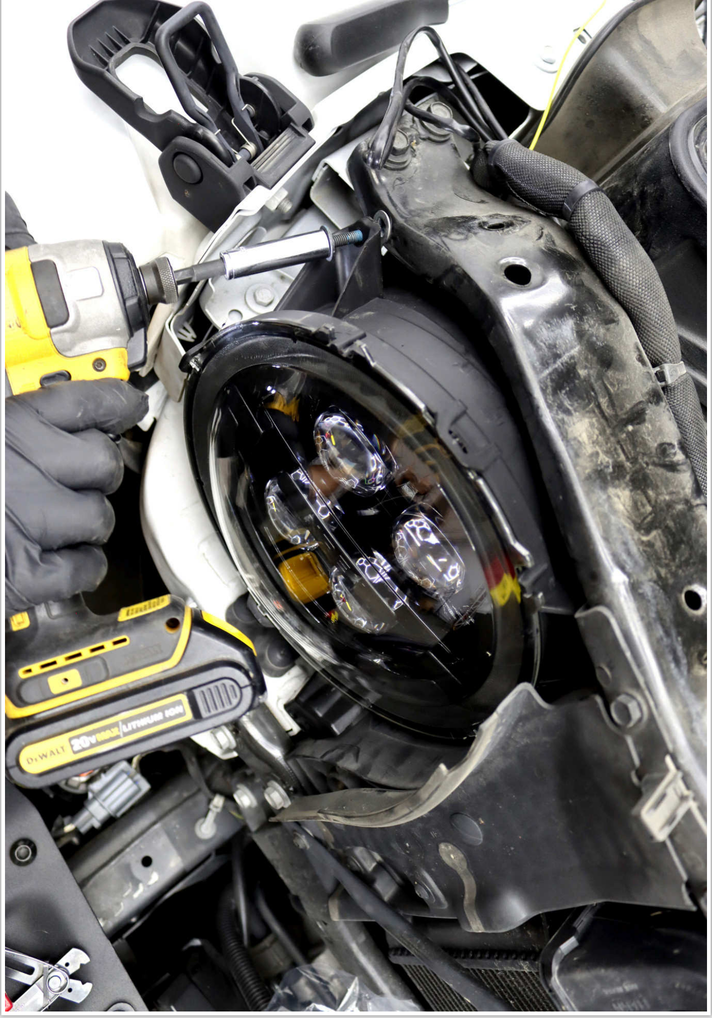


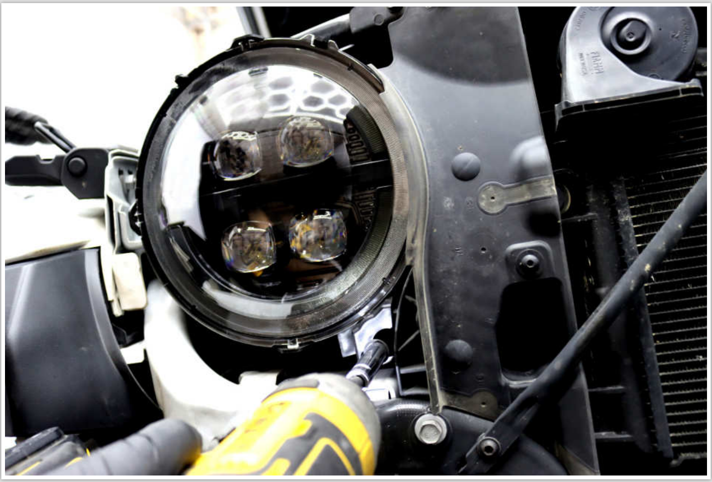


STEP 8 **SCREW THE HEADLIGHTS BOLTS**

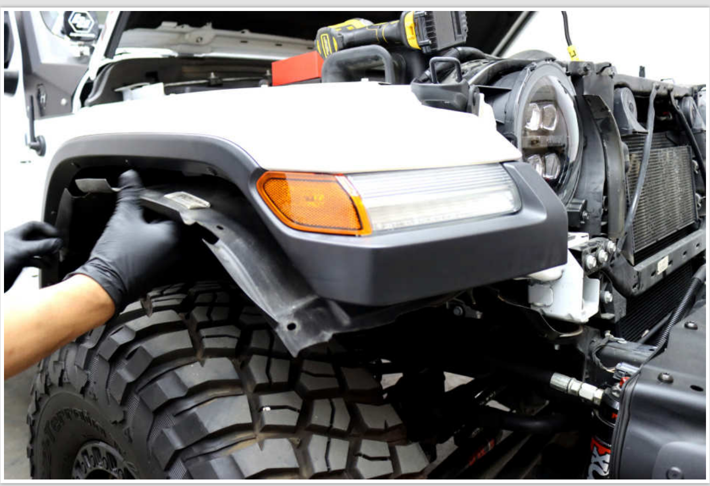
After ensuring all the plugs are securely connected, initiate the process of screwing in the headlight bolts. Repeat the same steps for the other side of the headlight.

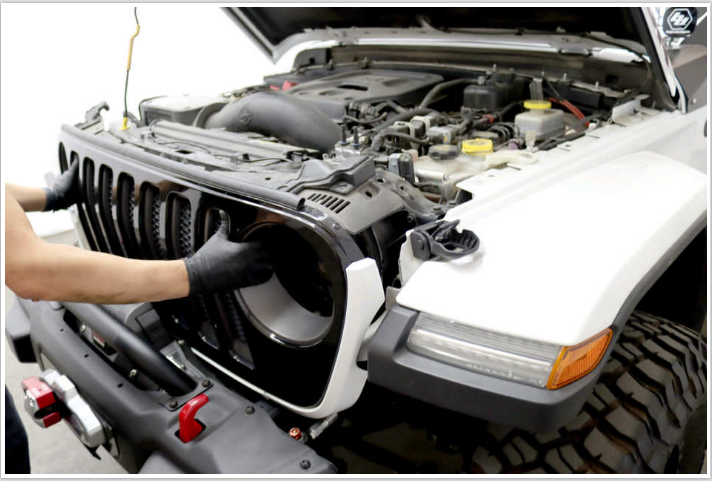


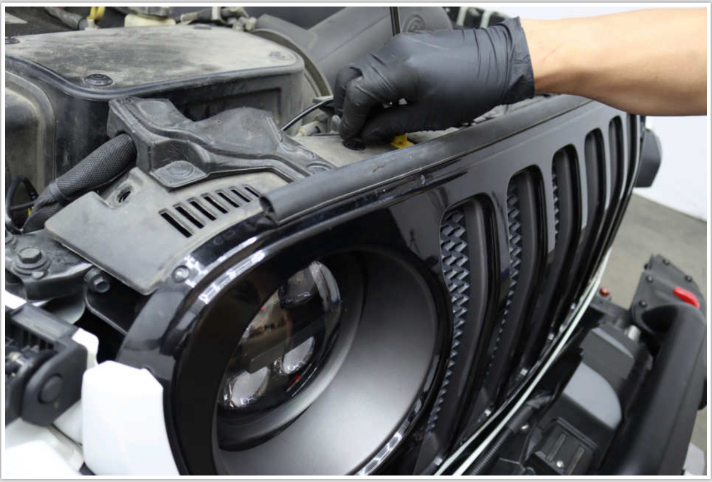




To finish the installation, reverse the uninstallation process, making sure to follow all previous steps in the opposite order.

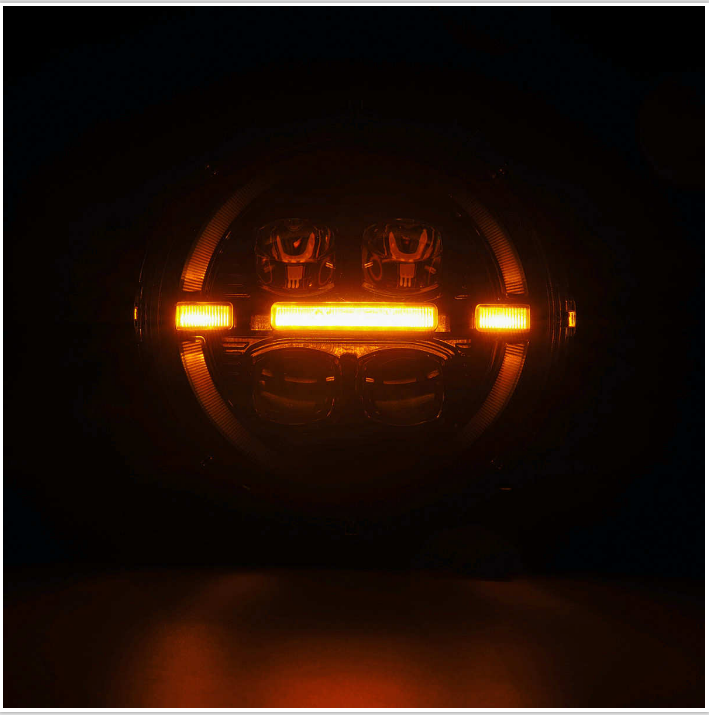


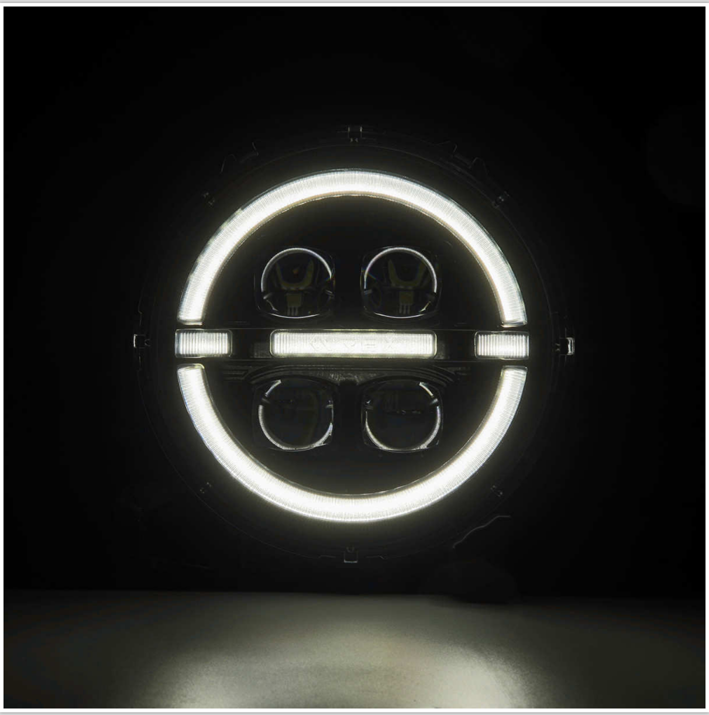




STEP 9 TEST THE HEADLIGHT FUNCTIONS

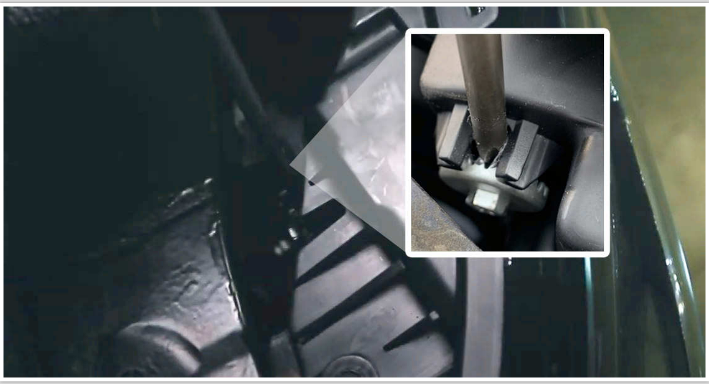
Test the functions of your ALPHAREX headlights to ensure everything works properly.

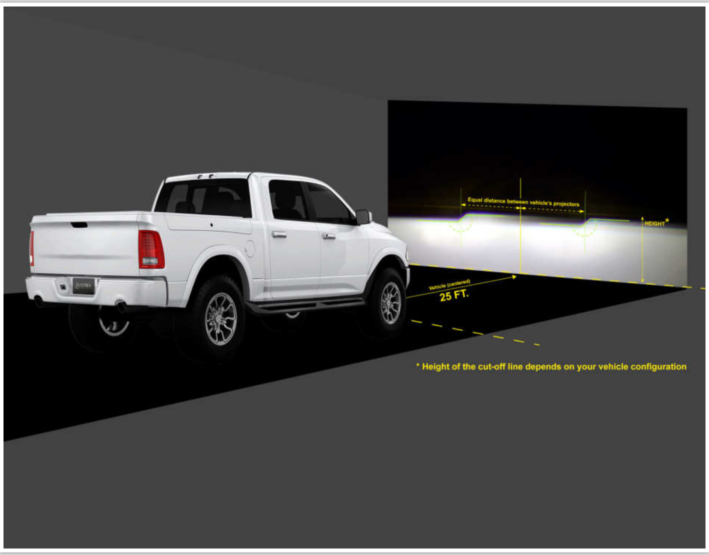




STEP 10 **ADJUST HEADLIGHT LEVEL**

Once everything has been tested, aim your ALPHAREX headlights by parking 25ft from a wall and level the headlight evenly.




Equal distance between vehicle's projectors
HEIGHT*
Vehicle (centered)
25 FT.
* Height of the cut-off line depends on your vehicle configuration

STEP 11 **COMPLETE INSTALLATION**

Congratulations! You have completed the installation for ALPHAREX 18-24 Jeep Wrangler (JL) | Gladiator (JT) HEADLIGHTS.

DUST TIL DAWN
RUBICON
WARN

DUST TIL DAW
RUBICON
WARN