

# Article

HOME / INSTALLATION GUIDE

# INSTALLATION GUIDE FOR 18-23 JEEP WRANGLER (JL) | JEEP GLADIATOR (JT) HEADLIGHT

## UNRIVALLED LIGHTING

THIS GUIDE IS FOR

NOVA  
series



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series



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## NOVA-SERIES LED PROJECTOR HEADLIGHTS ALPHA-BLACK

## NOVA-SERIES LED PROJECTOR HEADLIGHTS BLACK

ALPHAREX specializes in designing and producing superior and uniquely stylish aftermarket automotive performance lighting with unrivalled innovative technology. This installation guide takes you through the step-by-step process of installing your new **ALPHAREX HEADLIGHTS** for your **18-23 JEEP Wrangler (JL) / JEEP Gladiator (JT)**.

**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**



**Metal Panel Popper**



**Flat Screwdriver**



**1/4 Extension**



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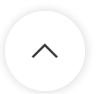
Socket

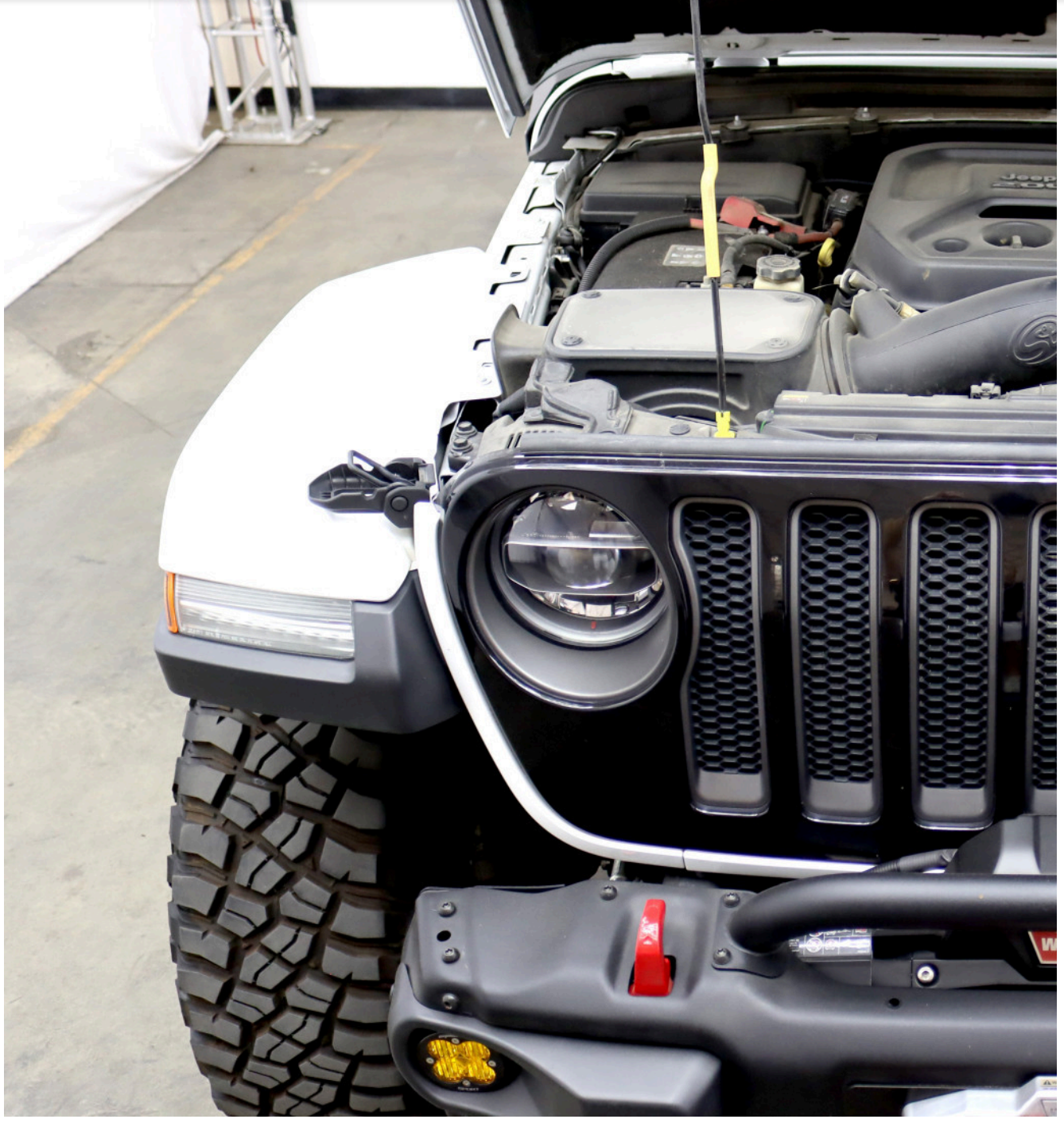
*NOTE: Whenever using a power tool, please make sure do not overtighten the screws.*

## PART I - REMOVE HEADLIGHTS

### STEP 1 DISCONNECTING THE NEGATIVE BATTERY TERMINAL

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





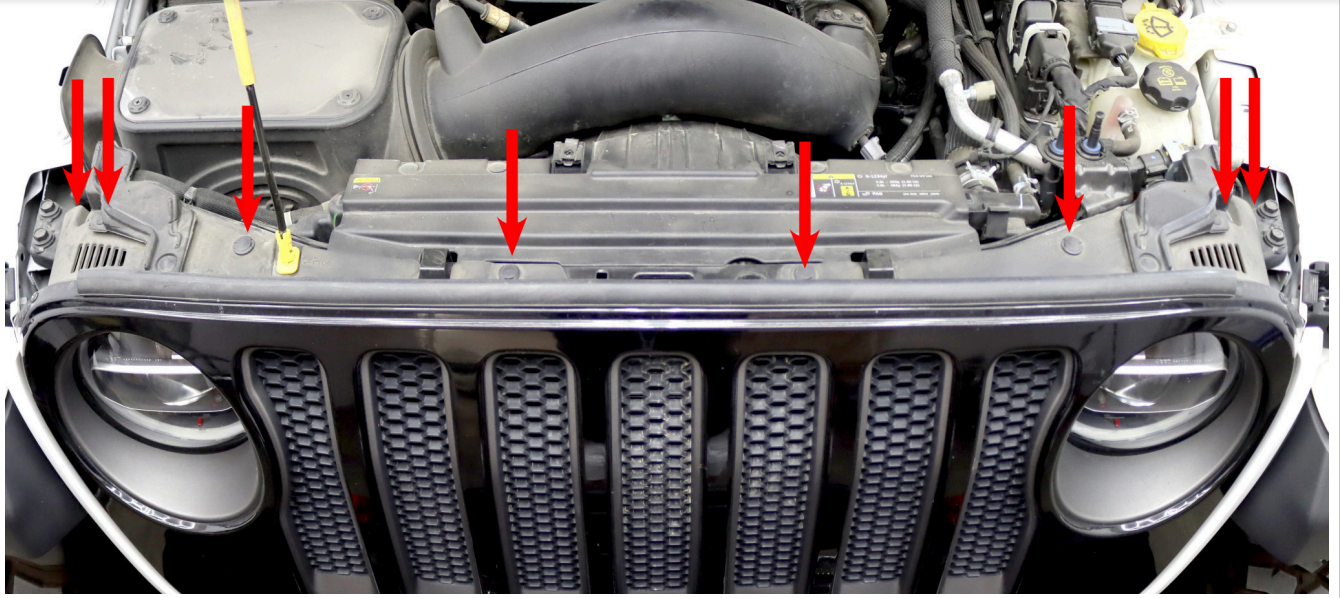


## STEP 2 REMOVE THE GRILLE

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



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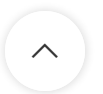






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process. Set the grille aside for future re-installation.





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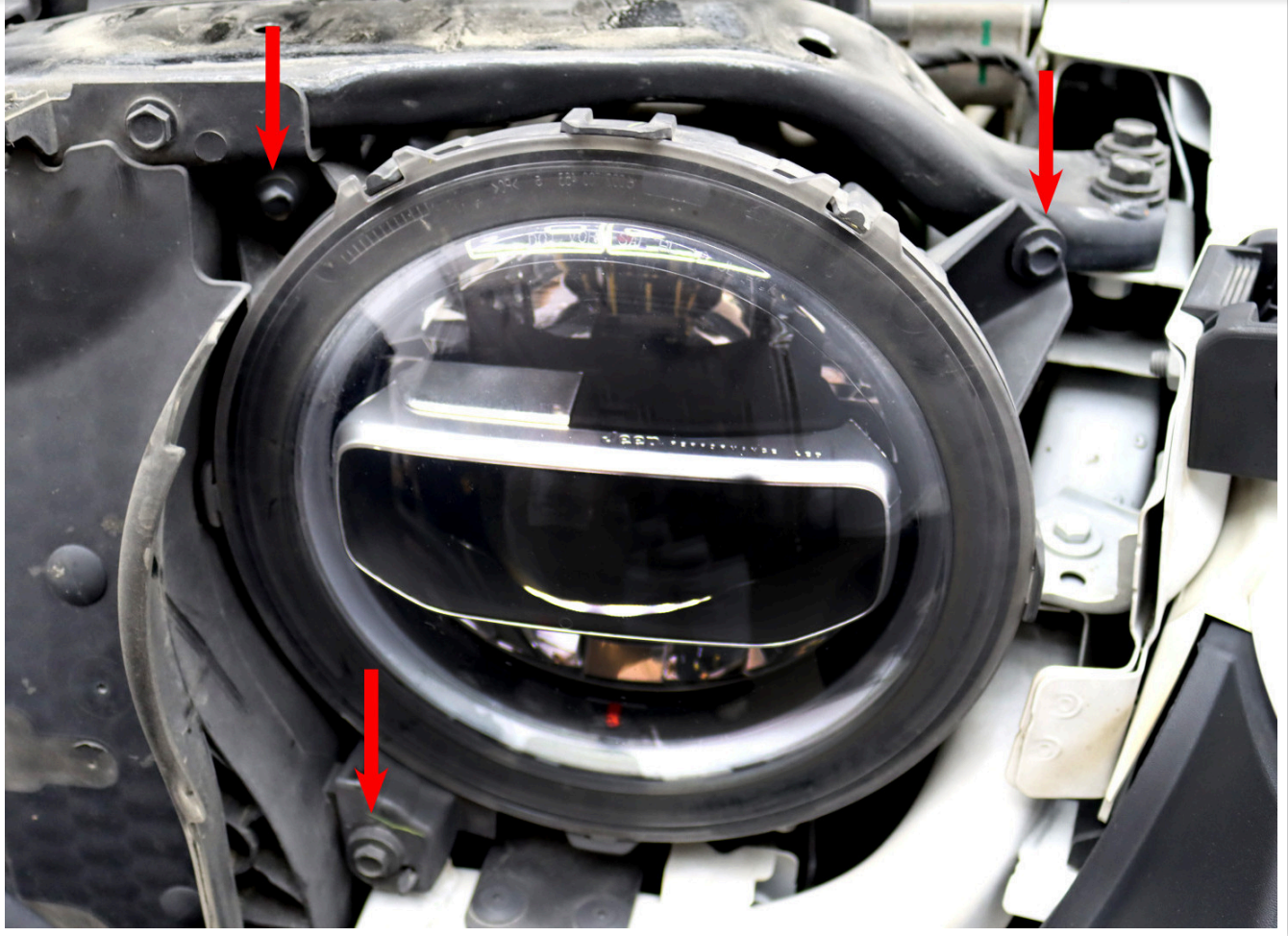
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### STEP 3 REMOVE THE HEADLIGHTS

Unscrew the three 10mm bolts securing the headlight assembly.



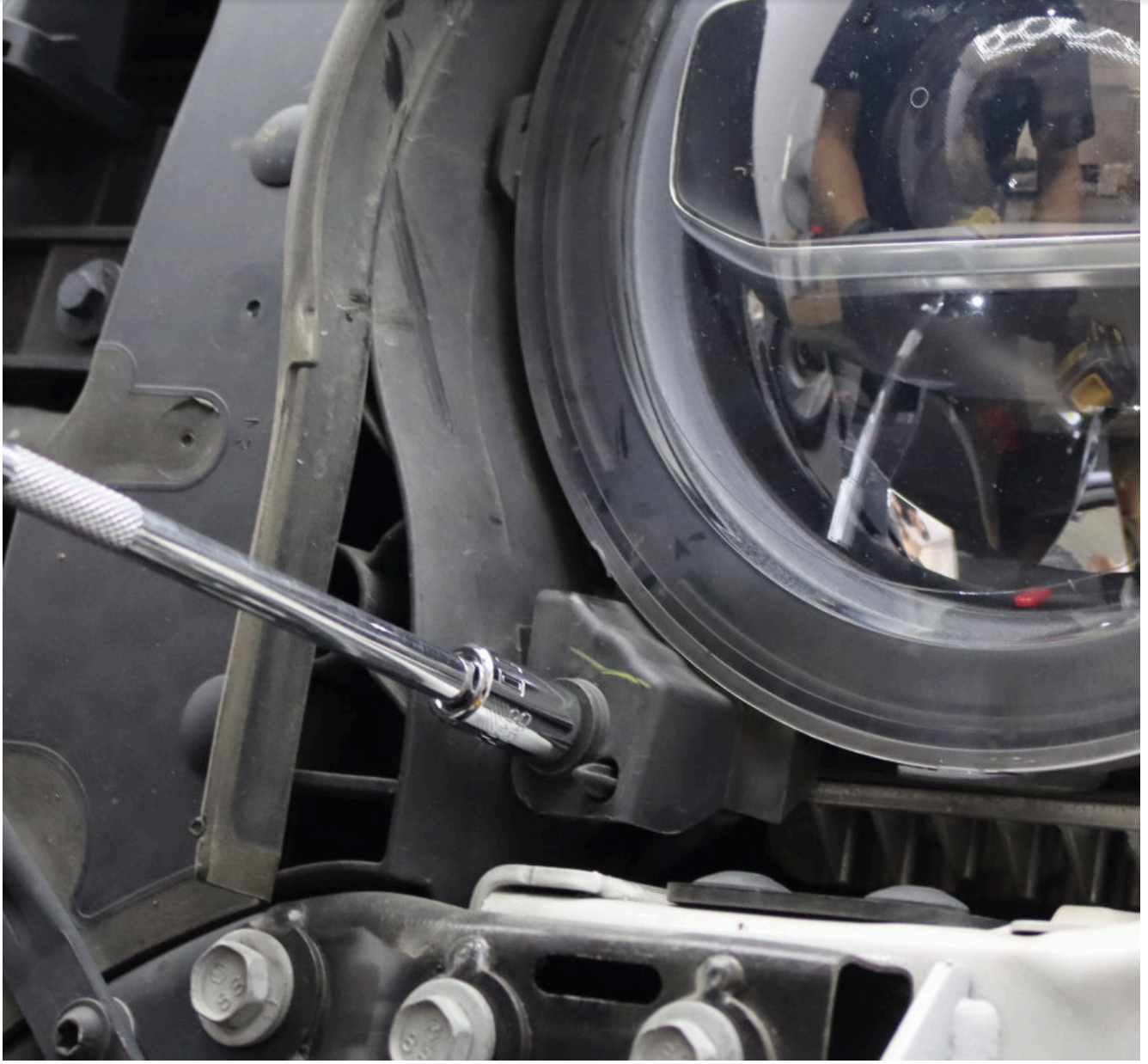


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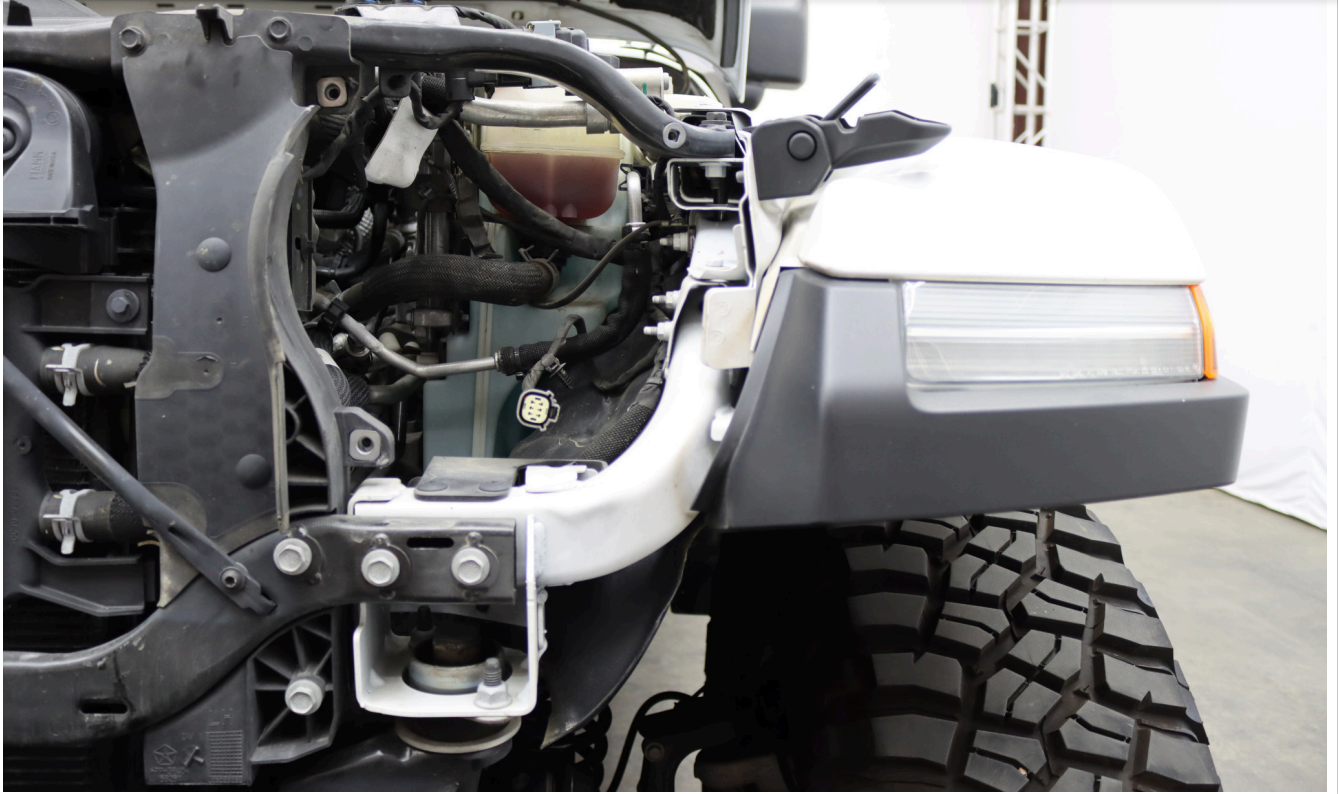
Take out the headlight by detaching it and disconnecting the light sockets. Repeat the same procedure for the opposite side of the headlight.







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#### 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.







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## 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,

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## 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.





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



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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.



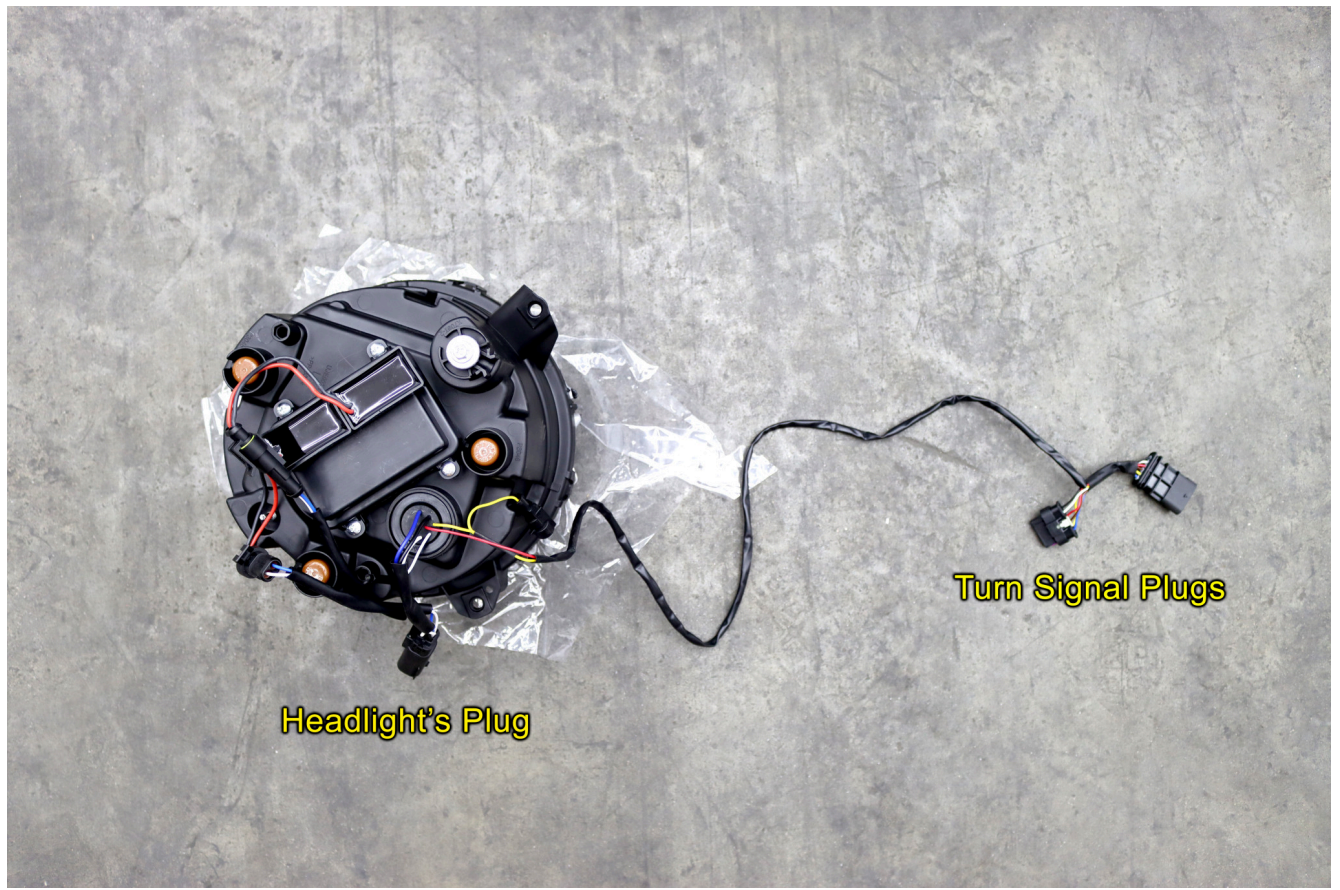
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Begin by inserting and connecting the DRL wire into the headlight assembly. **DO NOT USE DIELECTRIC GREASE!**





Connect the headlight's plug into the corresponding connector.



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

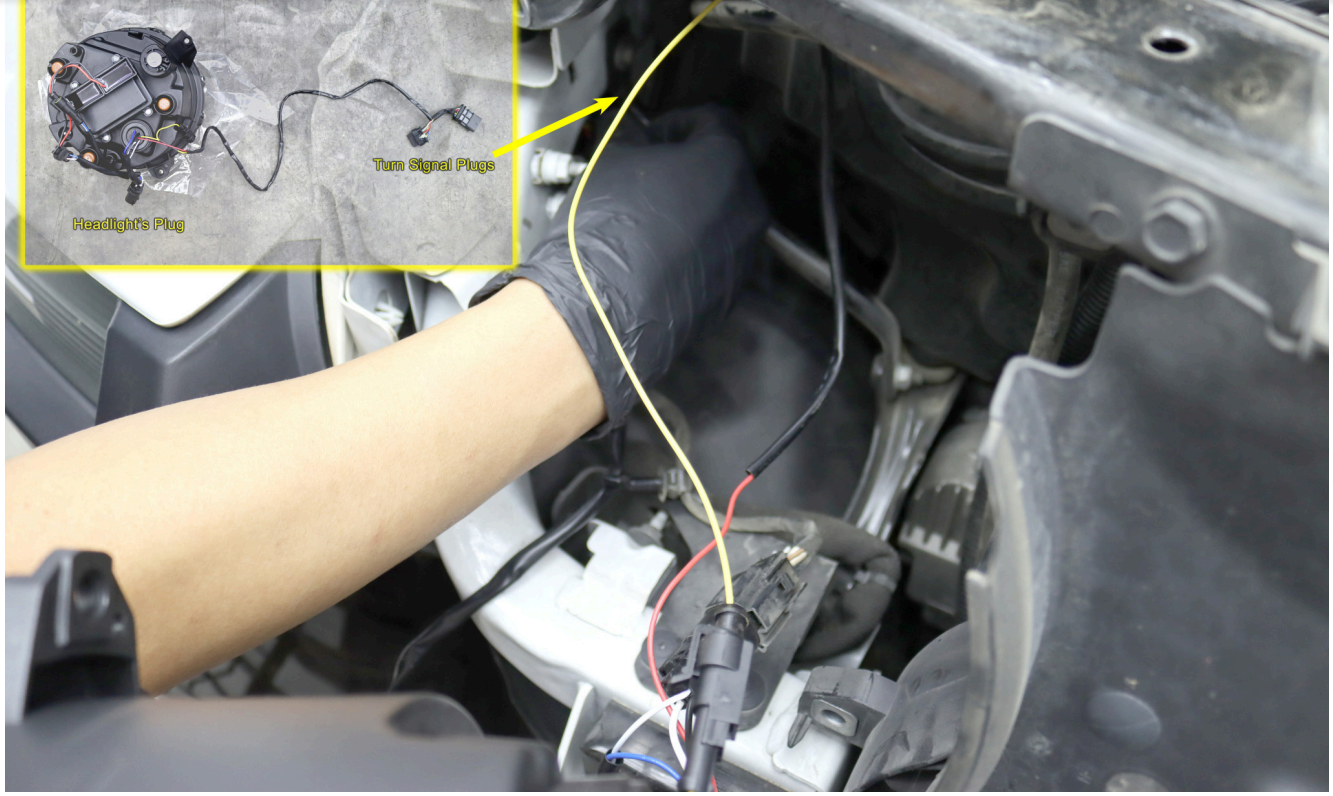






Guide the turn signal plugs to the designated location of the vehicle's turn signal connector.

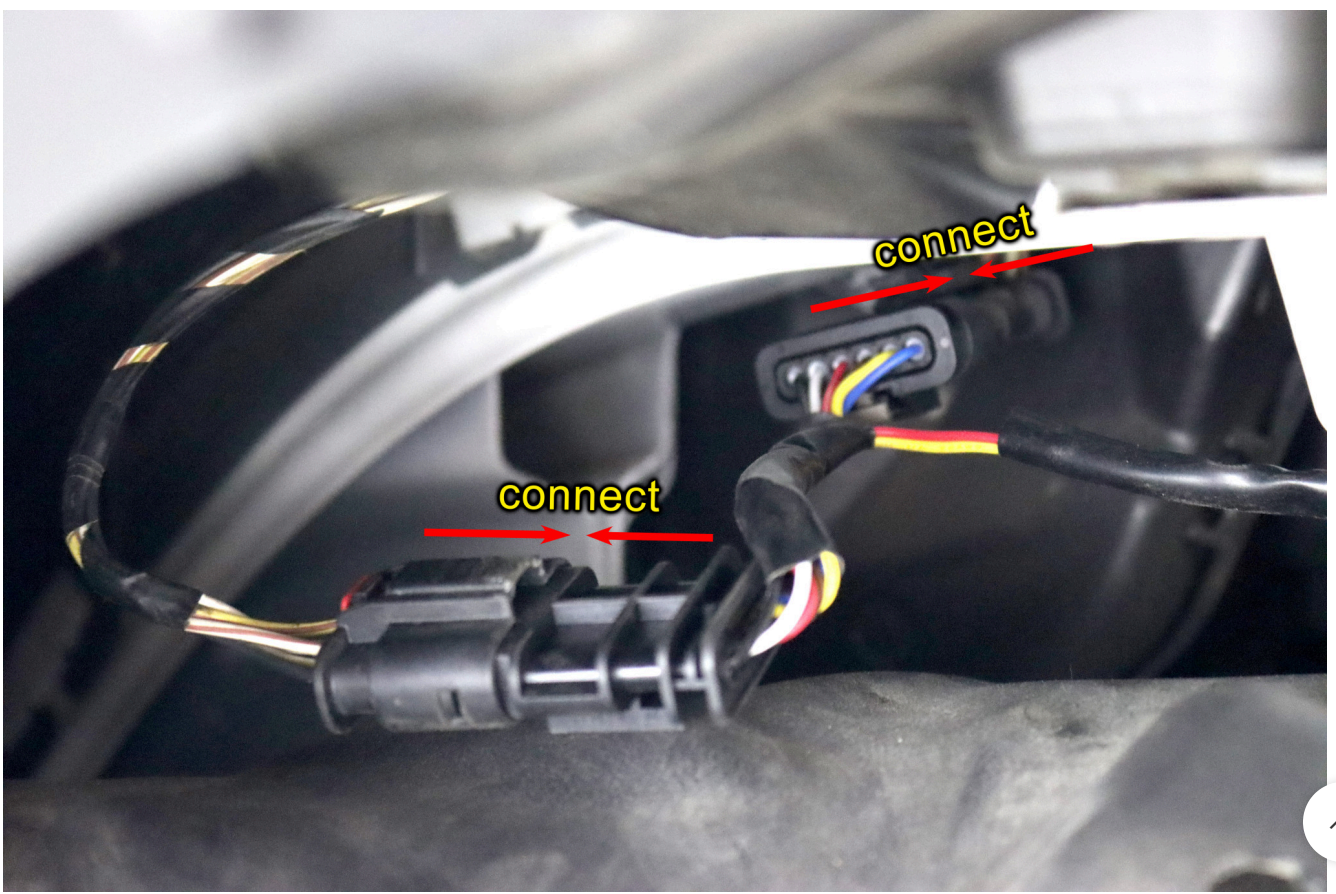




Attach and secure the turn signal plugs to the corresponding connector. **DO NOT USE DIELECTRIC GREASE!**



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## STEP 8 SCREW THE HEADLIGHTS BOLTS

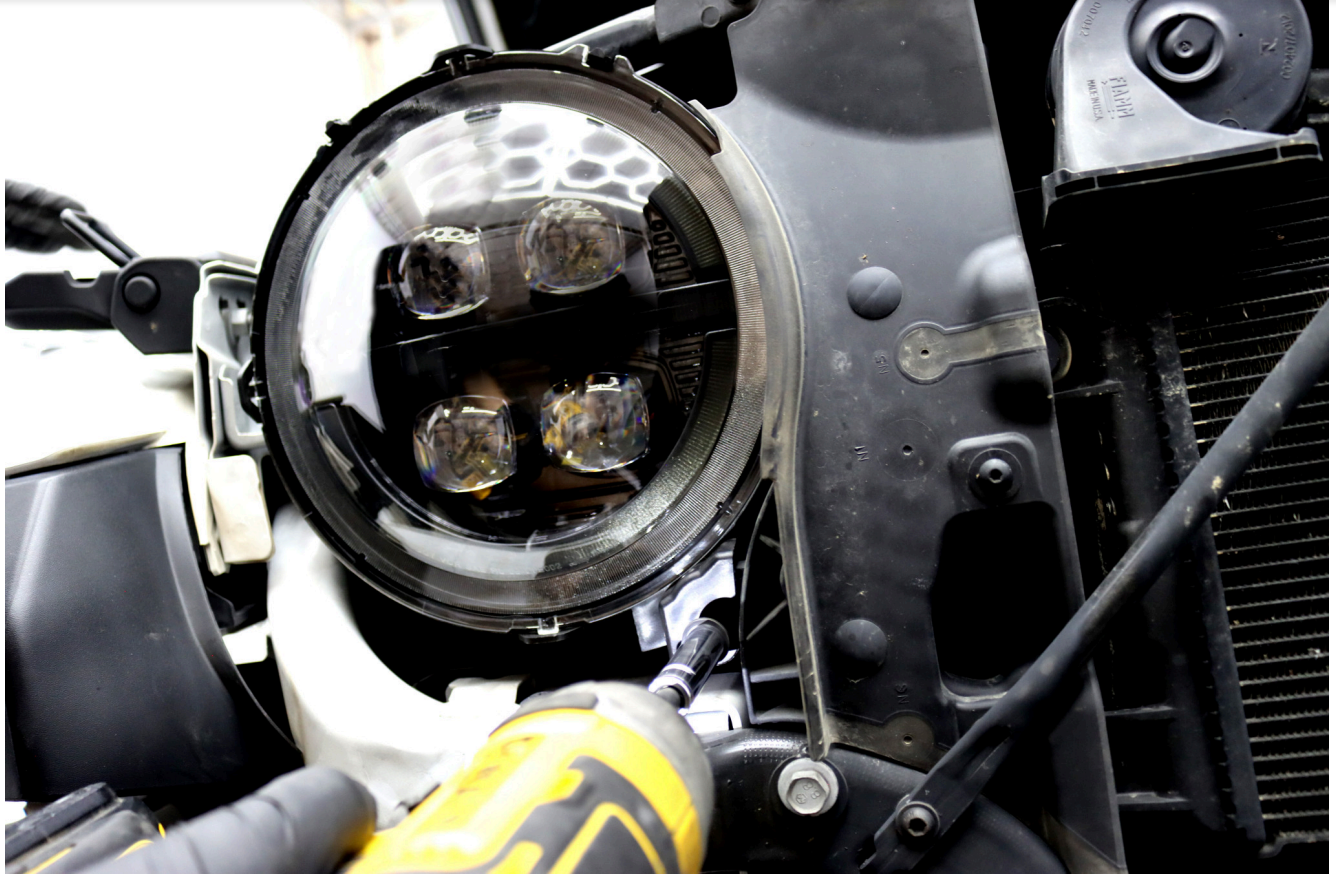
After ensuring all the plugs are securely connected, initiate the process of screwing in the headlight bolts. Repeat the same steps for the other side of the headlight.





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





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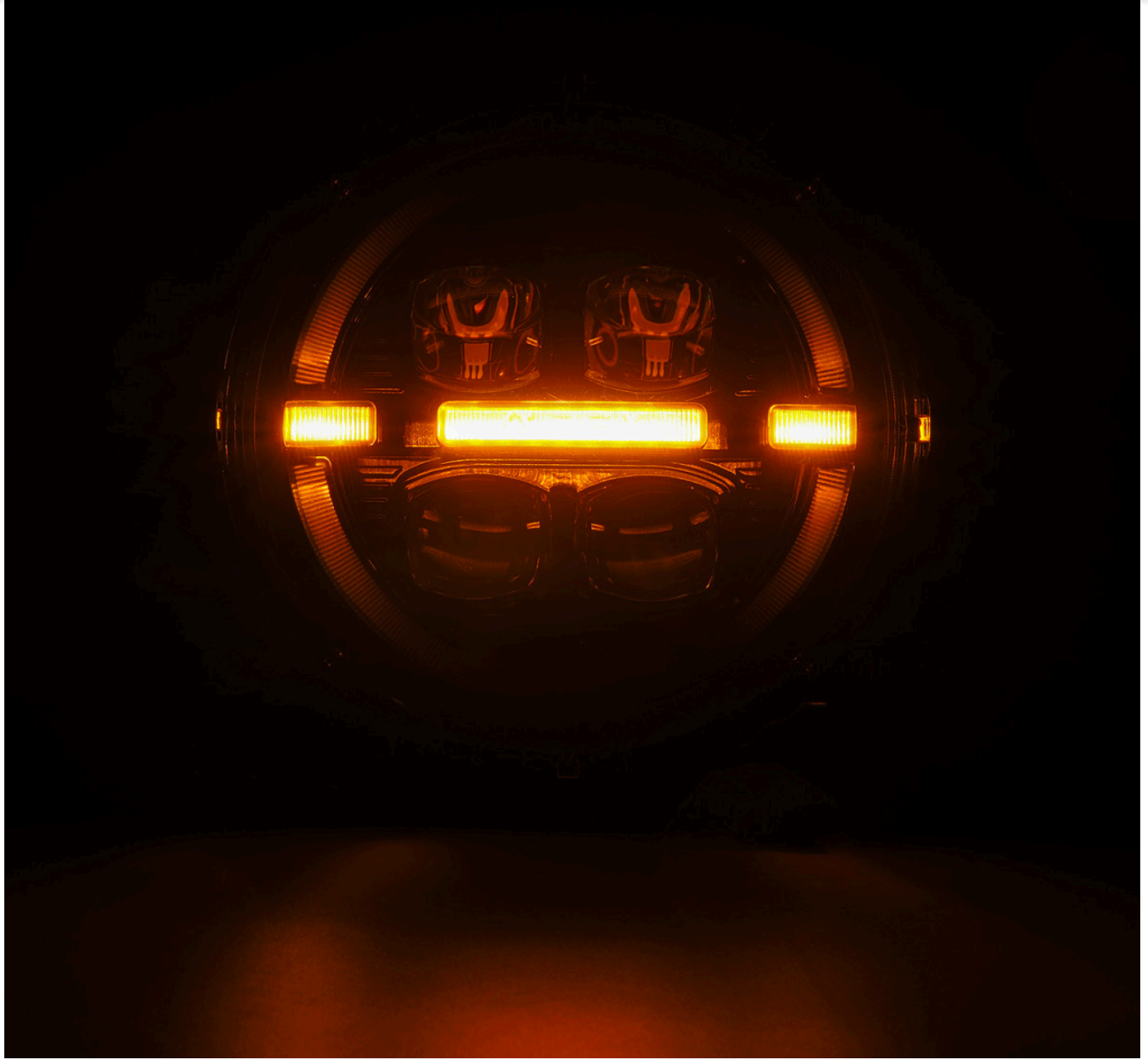




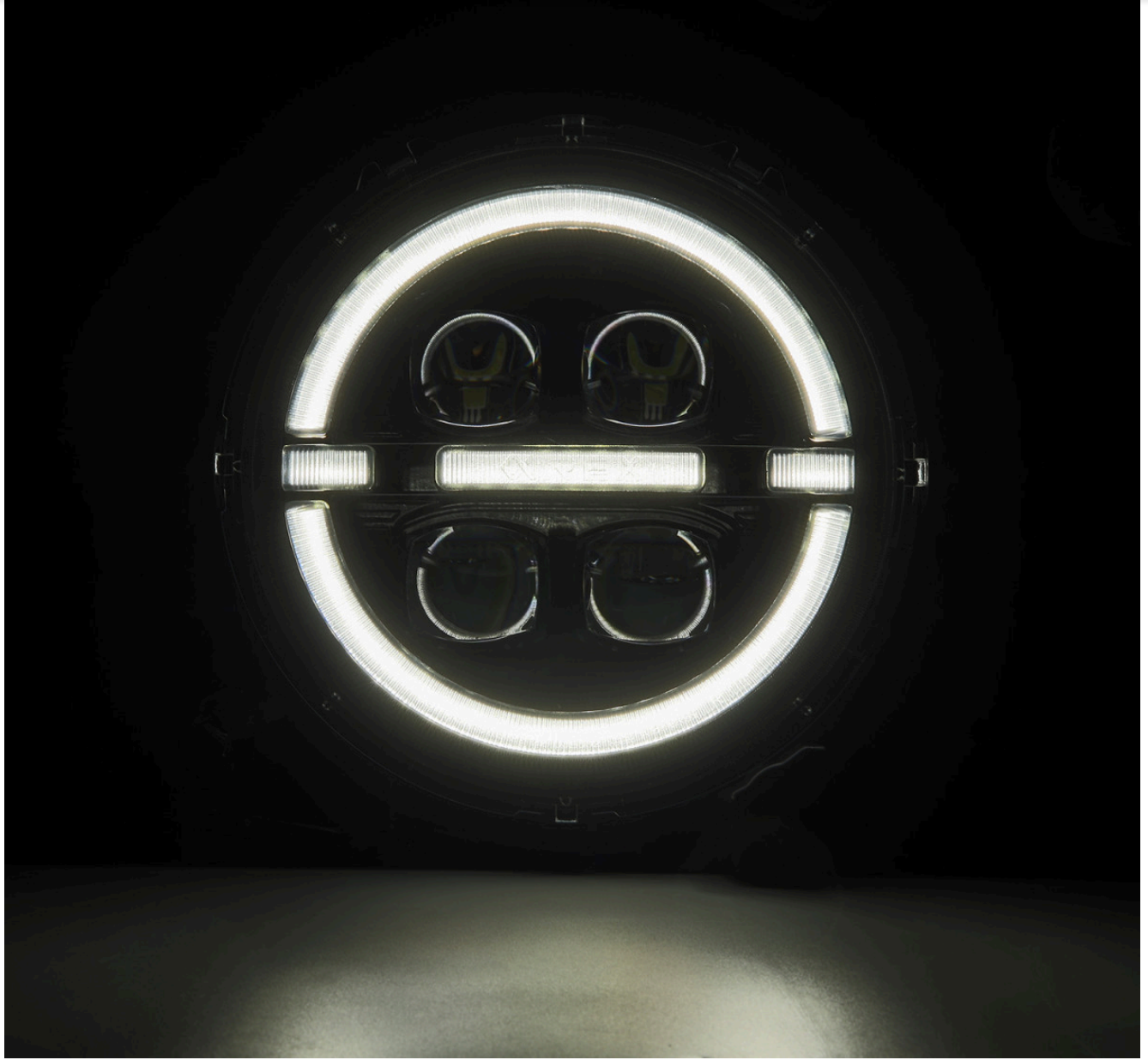
## STEP 9 TEST THE HEADLIGHT FUNCTIONS

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





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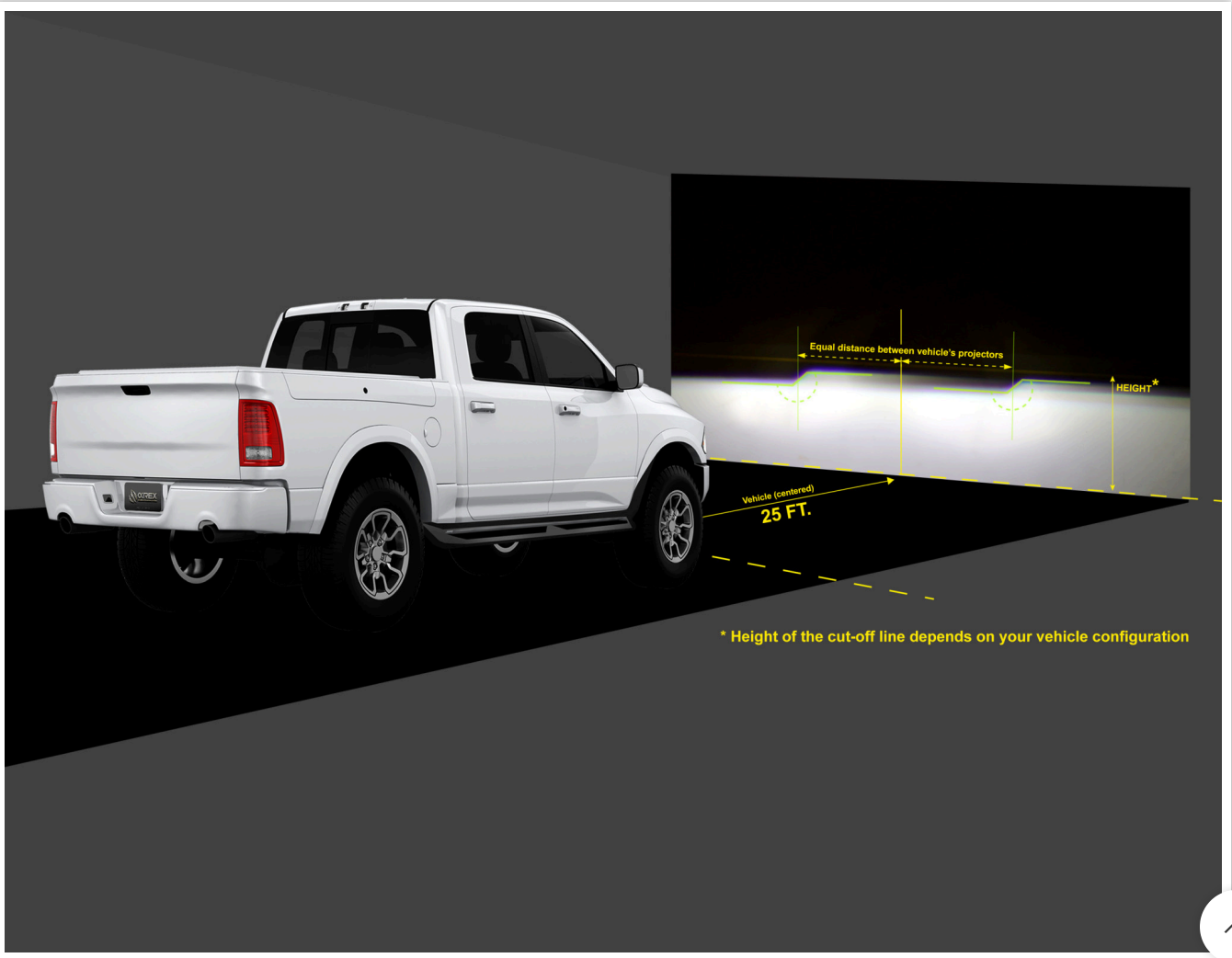


**STEP 10    ADJUST HEADLIGHT LEVEL**

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



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





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