



## Installation Guide for 22-Up Toyota TUNDRA equipped with Reflector Headlights TRIM Model: SR/ SR5/ Limited (with TRD Package Headlights)

ALPHAREX specializes in designing and producing superior and uniquely stylish aftermarket automotive performance lighting with unrival innovative technology. The following installation guide we take you through the installation of your new ALPHAREX HEADLIGHTS for your 2022+ TOYOTA TUNDRA step by step.



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

**DO NOT USE DIELECTRIC GREASE!**

**ATTENTION:** Do not start the ignition with the grille unplugged. Doing so will cause the Check Engine Light to come on.



### Table of Contents



#### PART I REMOVE HEADLIGHTS

- **INSTALLATION TOOLS**
- **STEP 1.** Disconnecting the negative battery terminal
- **STEP 2.** Remove the front grille and the bumper
- **STEP 3.** Remove the headlight bolts
- **STEP 4.** Remove the headlights
- **STEP 5.** Converter Installation & Preparation

#### PART II INSTALL HEADLIGHTS

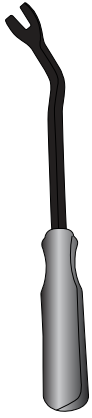
- **STEP 1.** Tap the fuses and route the DRL harness
- **STEP 2.** Plug the sockets and route the converter harness
- **STEP 3.** Screw the headlights bolts
- **STEP 4.** Test the headlight functions
- **STEP 5.** Adjust headlight level
- **STEP 6.** Complete installation

*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.*

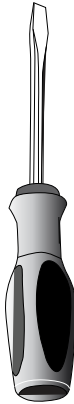
# PART I REMOVE HEADLIGHTS

## INSTALLATION TOOLS

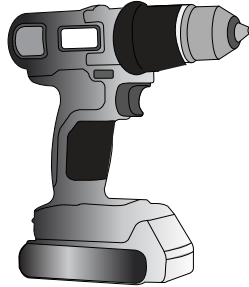
PREPARE THESE TOOLS FOR INSTALLATION



Metal Panel Popper



Flat Screwdriver



Power Tool



1/4 Ratchet



1/4 Extension

10mm



Socket

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

## STEP 1. DISCONNECTING THE NEGATIVE BATTERY TERMINAL

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



## STEP 2. REMOVE THE FRONT GRILLE AND THE BUMPER

Remove the 4 X 10mm bolts and 2 mounting taps on the upper part of the front grille.

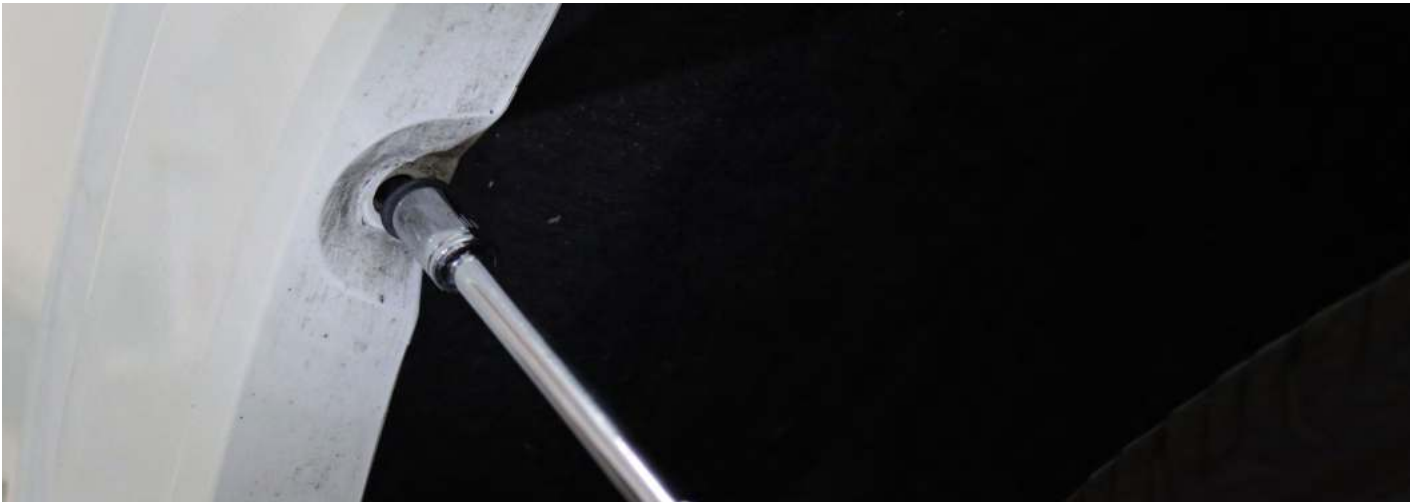


Unplug the sockets from the grille.



Remove 4 X 10mm bolts from each side of the front wheel well.





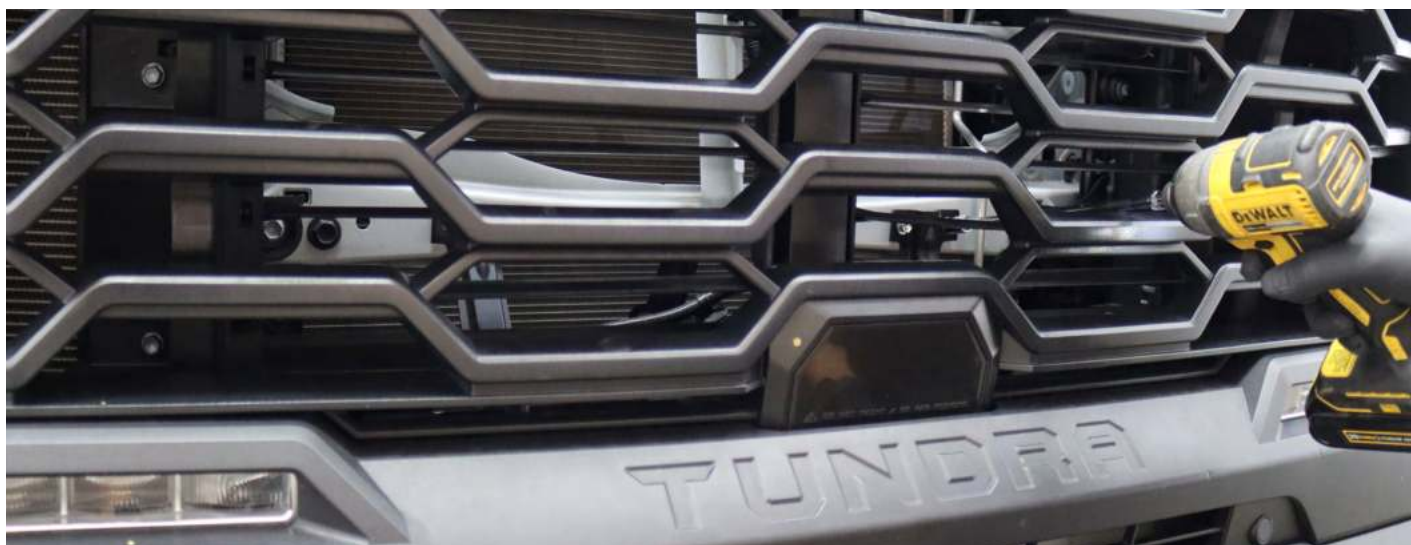
Use the panel popper to help you disengage the fender liner from the mounting. Gently pull it outward to get loose and until you see the bumper's side mount plastic clip.



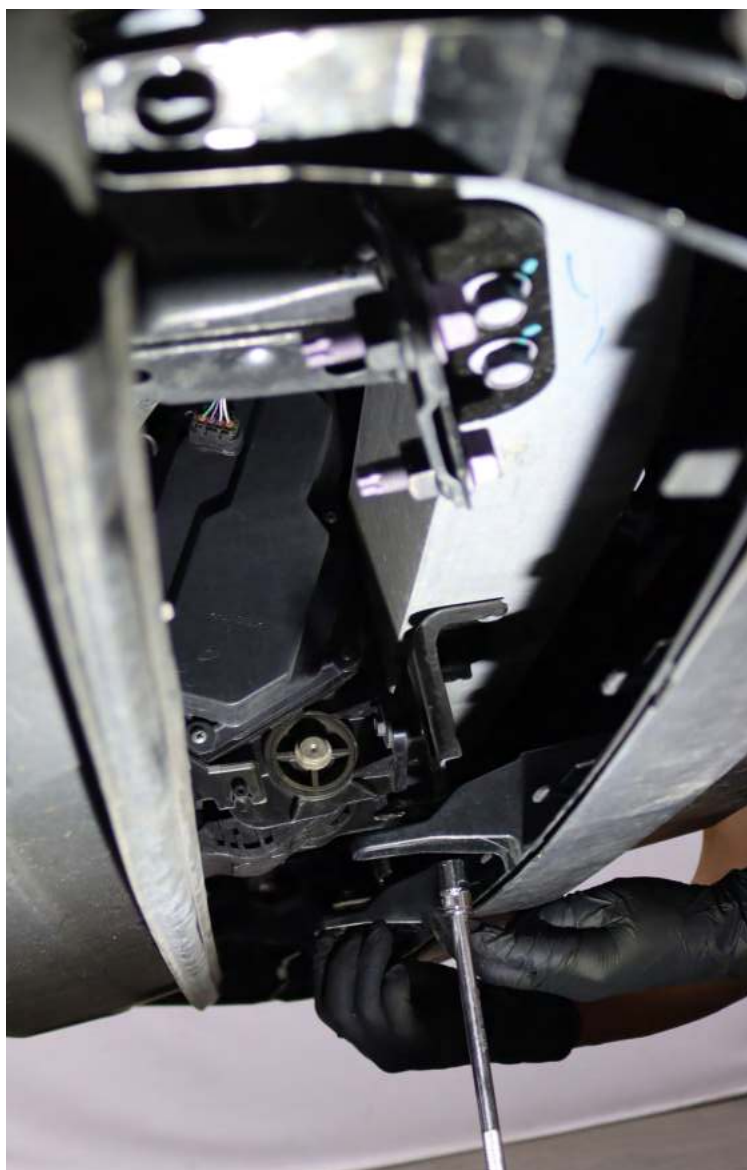
Please follow the same steps for the other side.



Use the extension to remove the 4 X 10mm bolts from the bottom of the front grille.



Next, remove the 4 X 10mm bolts from under the front bumper.





Gently pull the side of the bumper outward to disengage.  
Please follow the same step for the other side of the front bumper.

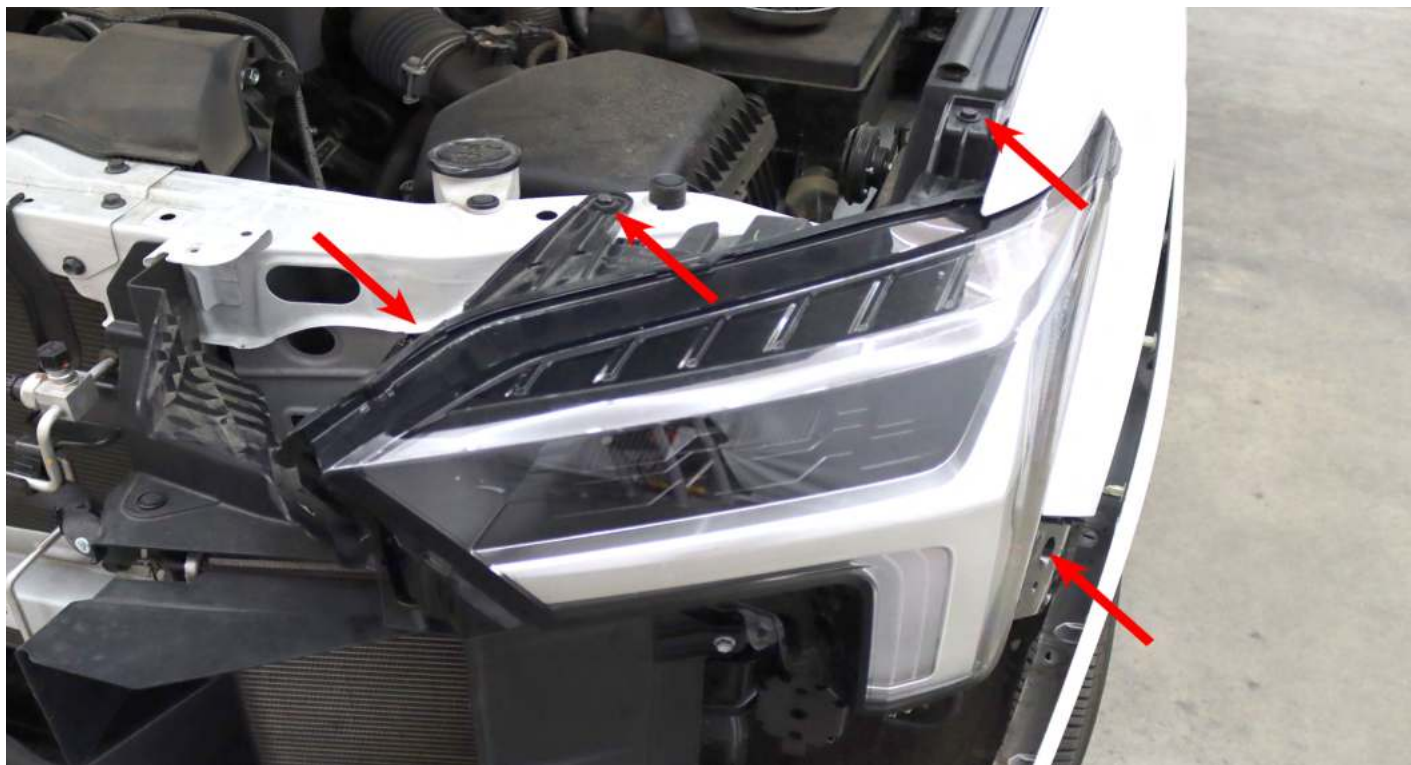


To remove the whole front bumper, gently pull the grille and the front bumper outward to disengage and release from all of the mounting clips. Please set it aside for later re-installation.



### STEP 3. REMOVE THE HEADLIGHT BOLTS

Remove the 4 X 10mm bolts from the headlight assembly.  
Please follow the same steps for the other side.





#### **STEP 4. REMOVE THE HEADLIGHTS**

Gently pull the headlight assembly outward to disengage.  
Unplug the headlight's sockets to complete the headlights removal.







Please follow the same steps for the other side of the headlights.



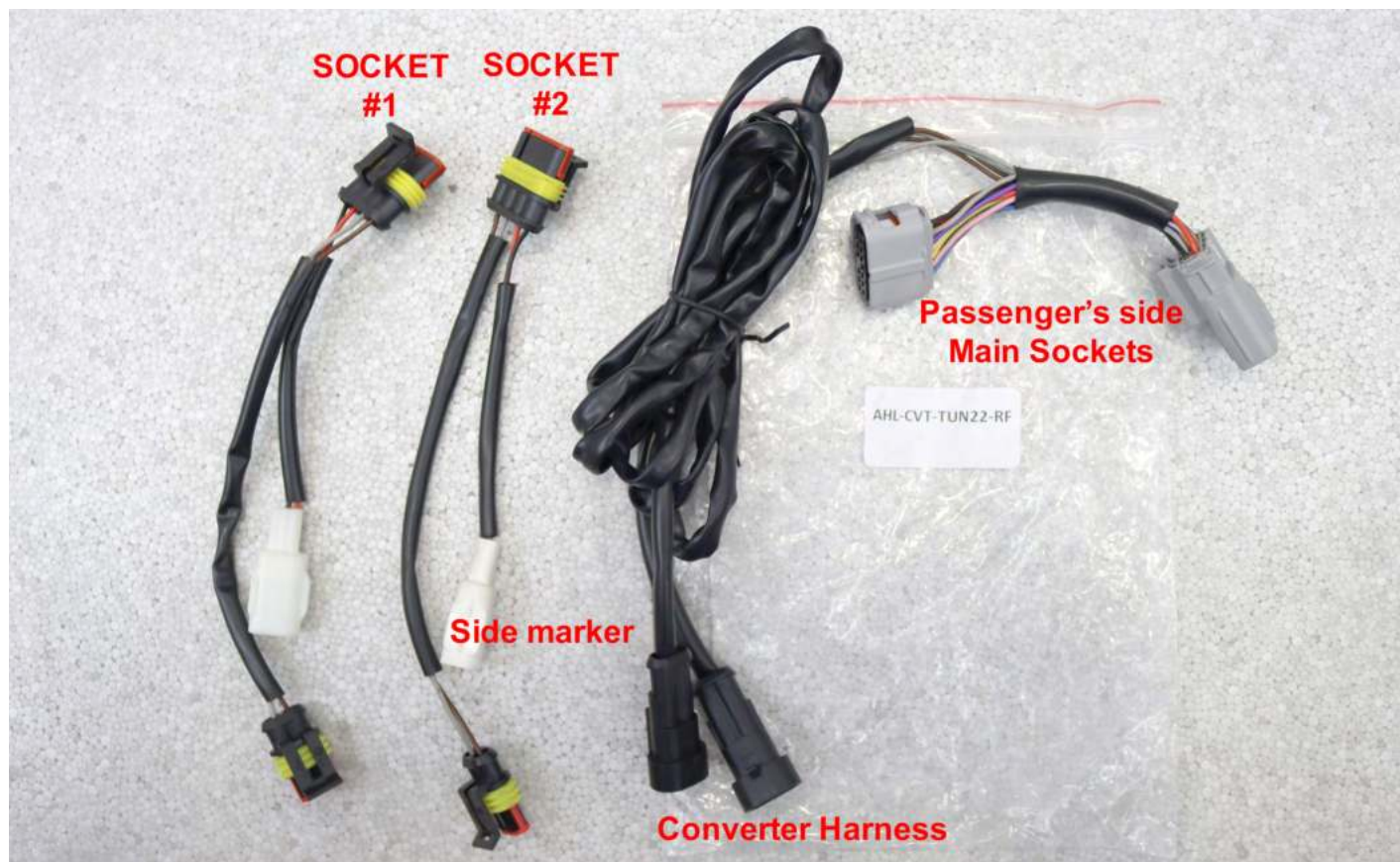


## STEP 5. CONVERTER INSTALLATION & PREPARATION

Given the wide range of trim/models available for the newest 22+ Toyota TUNDRA it is crucial to choose the appropriate Converter for installing the new ALPHAREX headlights.

For 22+ TUNDRA equipped with factory Reflector Headlights TRIM: SR, SR5, Limited (with TRD package) MUST INSTALL THE CONVERTER with MPN# AHL-CVT-TUN-22-RF

To ensure a successful installation, follow these steps to install the converter plugs correctly for your new ALPHAREX headlights.





Plug the Socket #1 to the Passenger's side headlight.  
Plug the Socket #2 to the Driver's side headlight.





Then, unplug the DRL connection from the back of the headlights.



Given the numerous trim/model variations for 22+ TUNDRA, we have affixed the decoder at the bottom of the headlights using double-sided tape. However, it is crucial to detach them before fitting the headlights onto the truck.

Use the panel popper to detach the decoder.

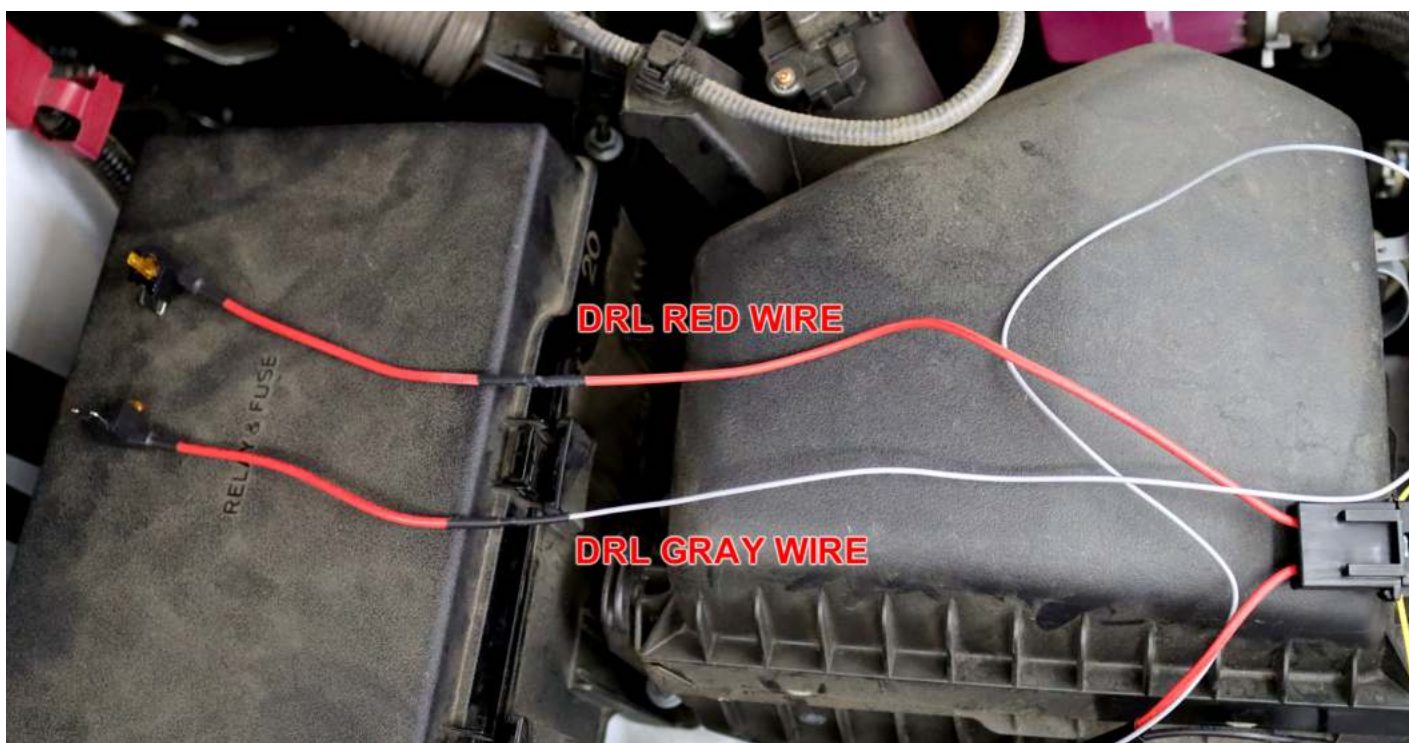


## PART II INSTALL HEADLIGHTS



### STEP 1. TAP THE FUSES AND ROUTE THE DRL HARNESS

In order for the DRL to function properly, you will need to tap the fuses and route the harness.





Tap the **DRL RED WIRE** to the 15A (Horn fuse)



Tap the **DRL GRAY WIRE** to the 7.5A (Towing-IGR fuse)



Connect the black wire to the (-) Negative battery terminal.

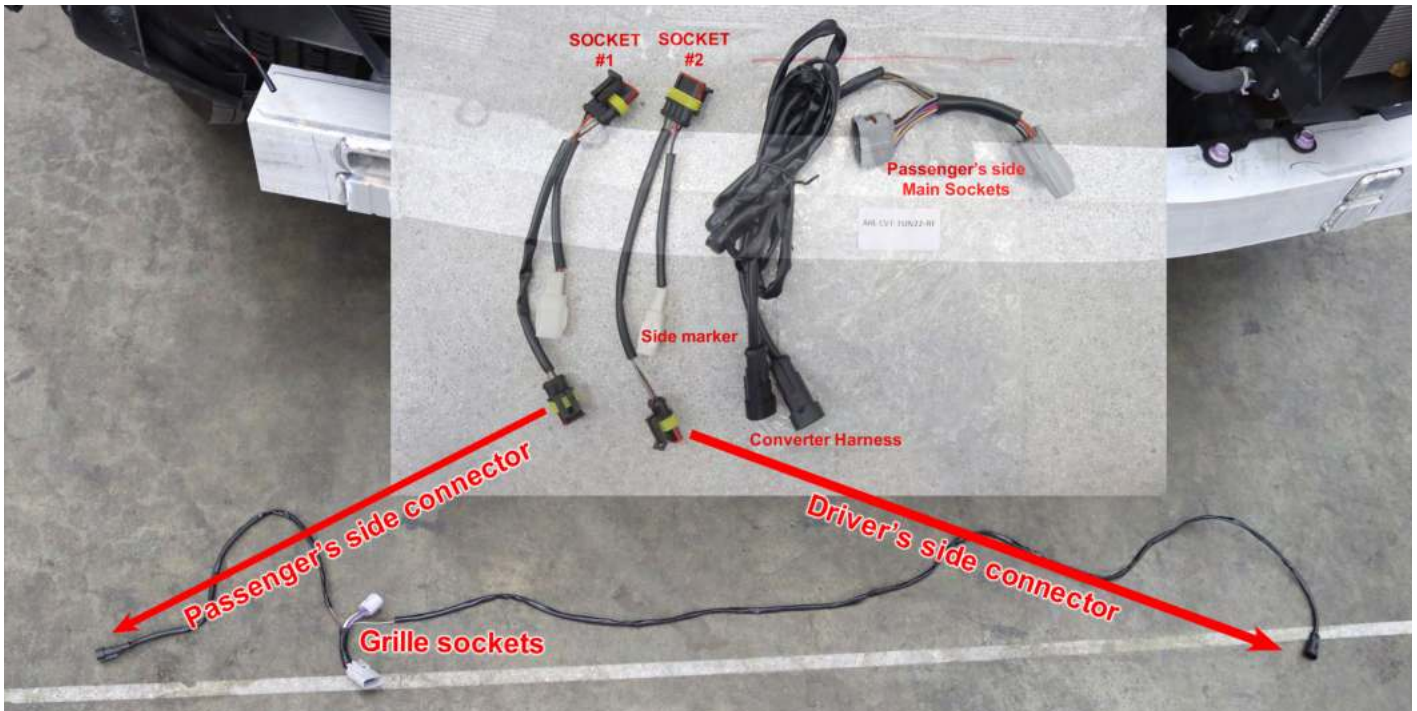
**ATTENTION: Do not start the ignition with the grille unplugged.**  
**Doing so will cause the Check Engine Light to come on!**



Close the fuse box cover and start routing the rest of the DRL wire to the Driver's side headlight.

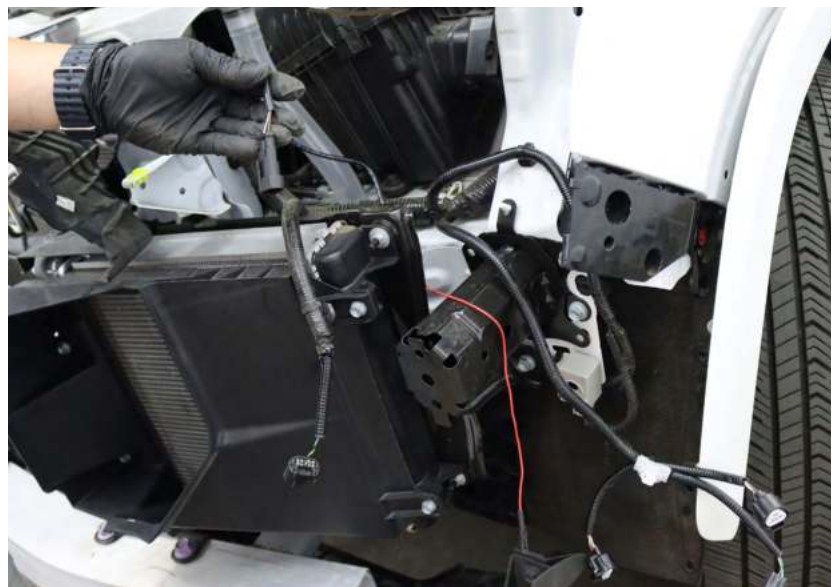


## STEP 2. PLUG THE SOCKETS AND ROUTE THE CONVERTER HARNESS



**First, start from the passenger's side, connect the headlight socket #1 to the Passenger's side connector (shorter length wire). DO NOT USE DIELECTRIC GREASE!**

Second, route the converter harness to the Driver's side of the headlight.





Third, plug the connectors for side marker, DRL, leveling, turn signal and the headlight's main connectors to the new ALPHAREX headlight assembly. **PLEASE DO NOT USE DIELECTRIC GREASE!**



Please follow the same steps for the Driver's side of the new headlight.



Lastly, plug the Passenger's Side Main Sockets to the connectors from the Grille.

**ATTENTION: Do not start the ignition with the grille unplugged.  
Doing so will cause the Check Engine Light to come on!**



## STEP 2. SCREW THE HEADLIGHTS BOLTS

Align the mounting points on the headlight with the corresponding points on the truck.



Screw the bolts into place securely, ensuring a proper fit.



To complete the installation, reverse the uninstallation process, ensuring all previous steps are followed in the opposite order.



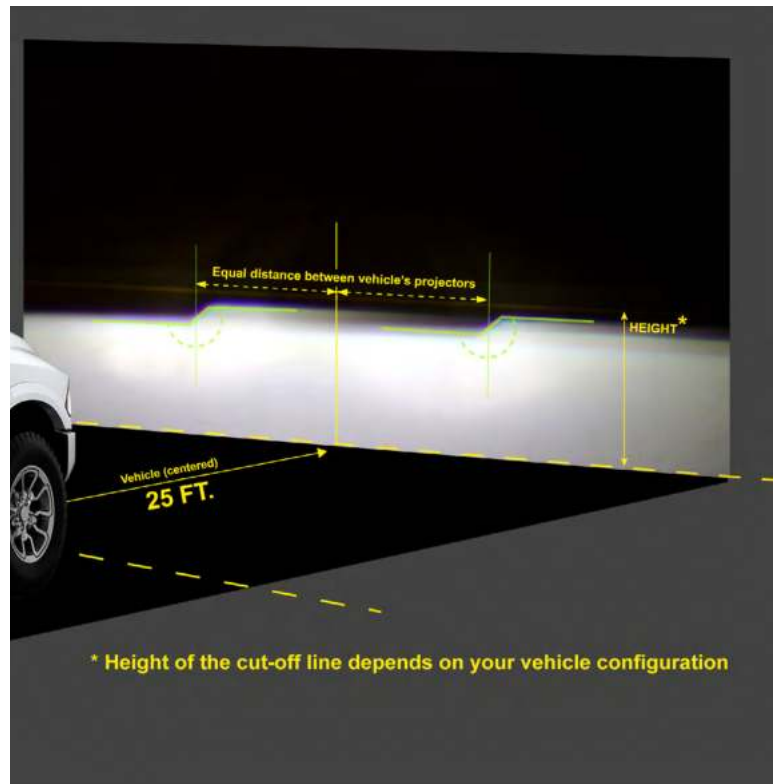
## STEP 2. TEST THE HEADLIGHT FUNCTIONS

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



## STEP 3. ADJUST HEADLIGHT LEVEL

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



## STEP 4. COMPLETE INSTALLATION

Congratulations! you have completed the installation for **ALPHAREX 22-Up Toyota TUNDRA HEADLIGHTS. FOR TRIM Model: SR/ SR5/ Limited (with TRD Package Headlights)**

