



# Installation Guide for 2017-23 Tesla Model 3 LED Fog Lights

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 LED FOG LIGHTS** for your 2017-23 Tesla Model 3

**DO NOT USE DIELECTRIC GREASE!**



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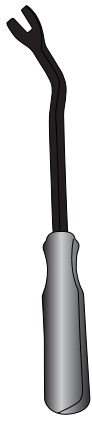
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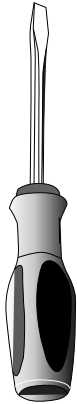
# PART I REMOVE THE FRONT BUMPER

## INSTALLATION TOOLS

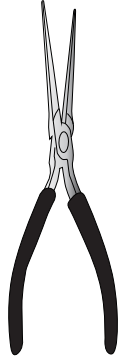
PREPARE THESE TOOLS FOR INSTALLATION



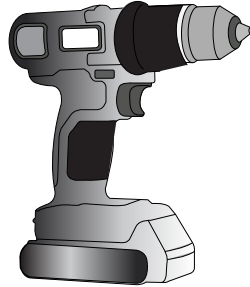
Metal Panel Popper



Flat Screwdriver



Pliers



Power Tool



1/4 Ratchet



1/4 Extension

10mm



T25



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

## STEP 1. FRONT TRUNK STORAGE TRAY REMOVAL

Whenever working on your vehicle, always make sure your vehicle is OFF and raise the front hood.





From the side, carefully lift the vent cover upward and proceed to remove it.





Please remove the frunk storage carpet and the liner to gain access to the bolts for removal.





Lift the plastic covers from the frunk storage tray to access the 10mm bolts.

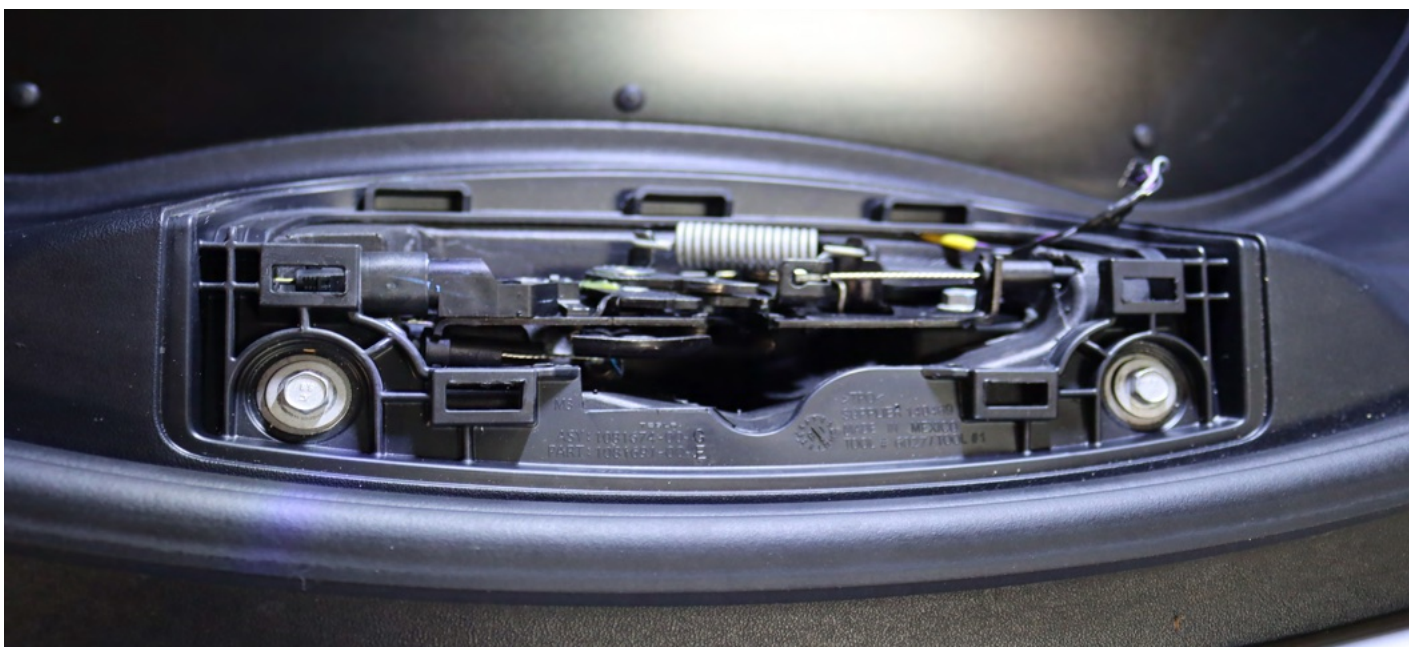


Proceed to remove the five 10mm bolts as indicated.



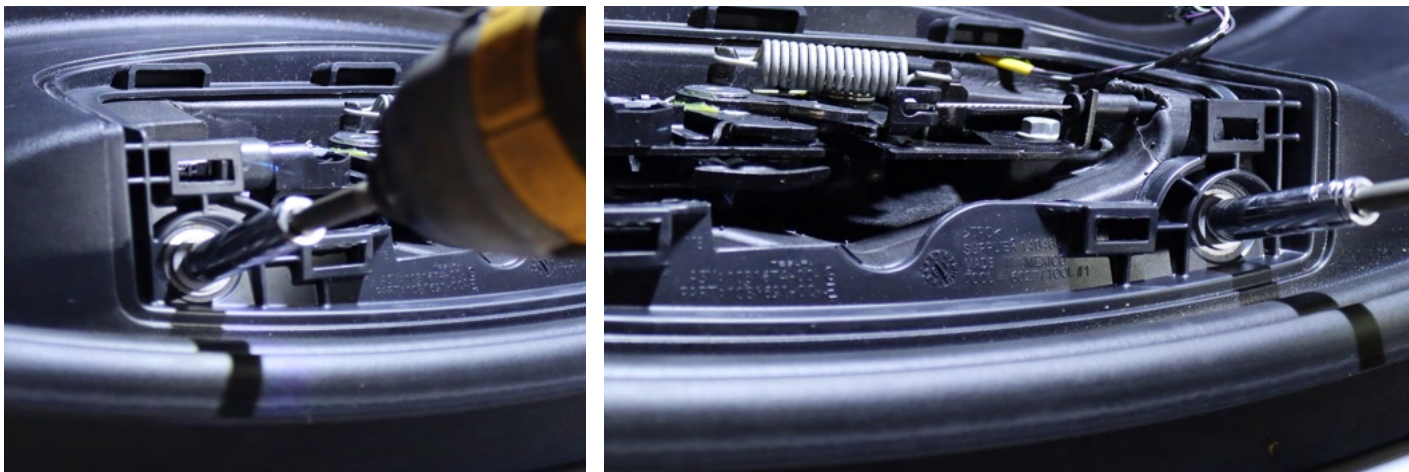


Remove the frunk close-out panel cover and disconnect the connection.





Remove the two 10mm bolts.



Proceed to remove the entire trunk storage tray.





## STEP 2. REMOVE THE FRONT BUMPER

Begin by removing the push-in pins located on both sides of the wheel fender flare.



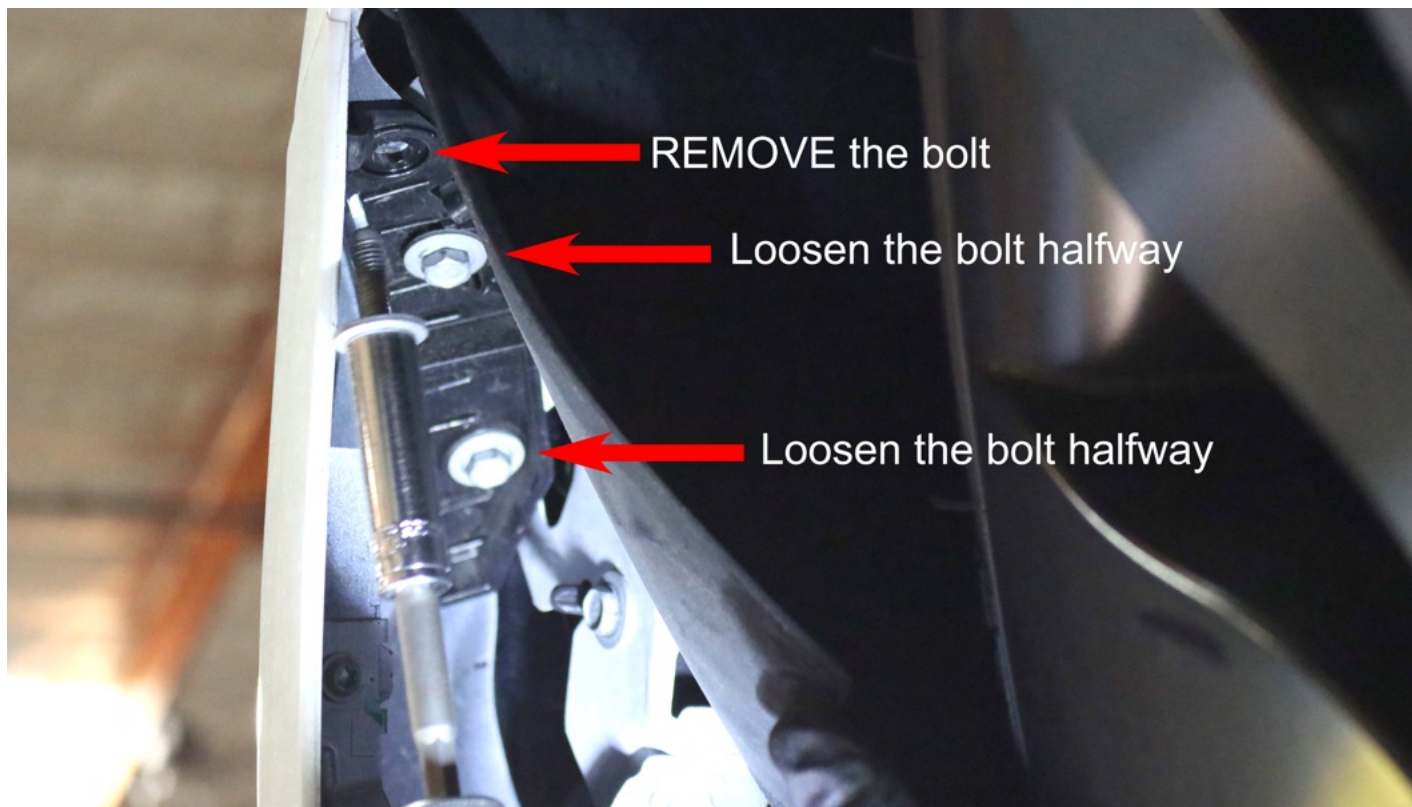


Lift up the front wheel well liner to access the three 10mm bolts securing the front bumper.





Remove the first 10mm bolt and loosen the other two 10mm bolts halfway.  
Repeat the same steps for the other side of the wheel well.

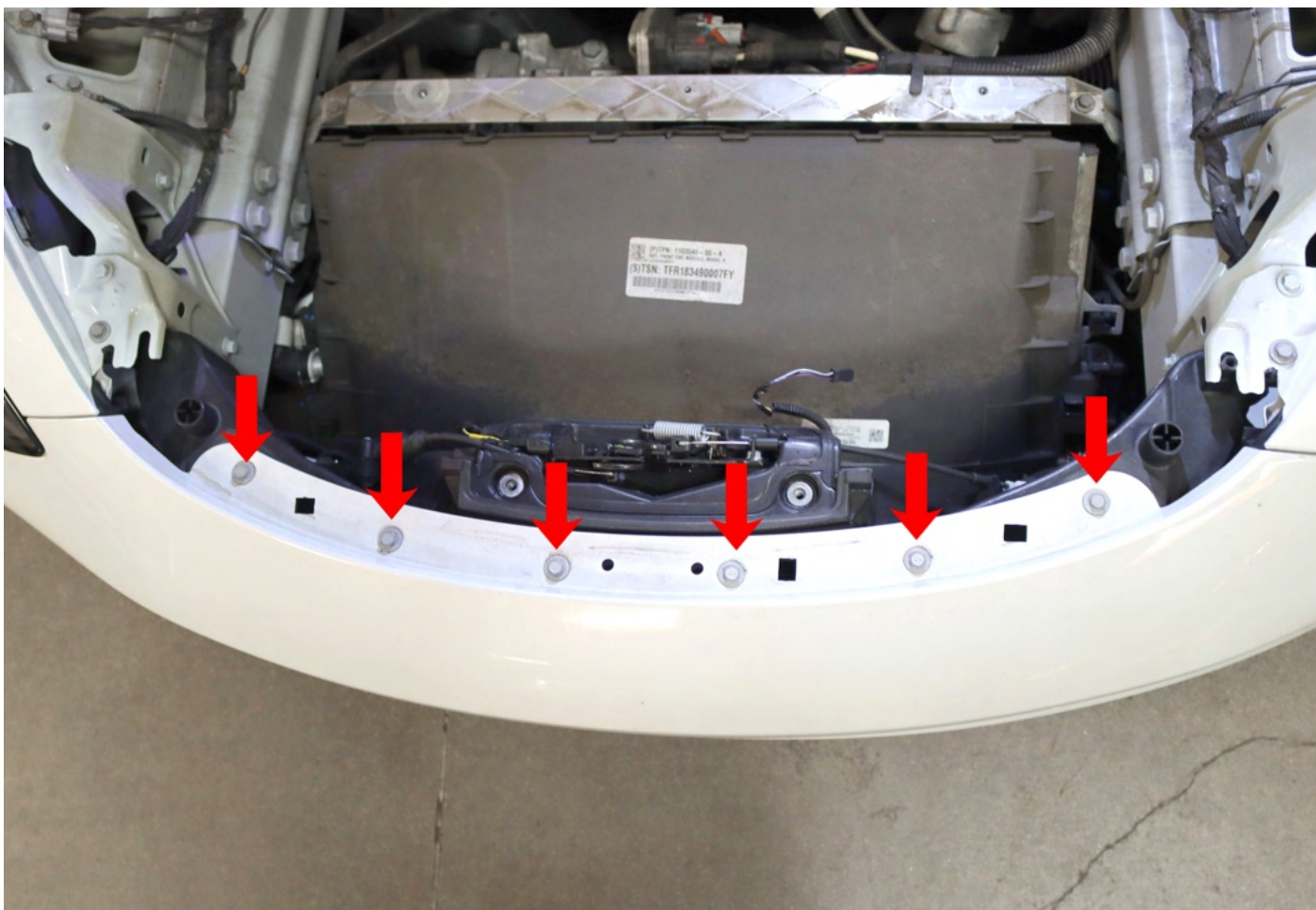




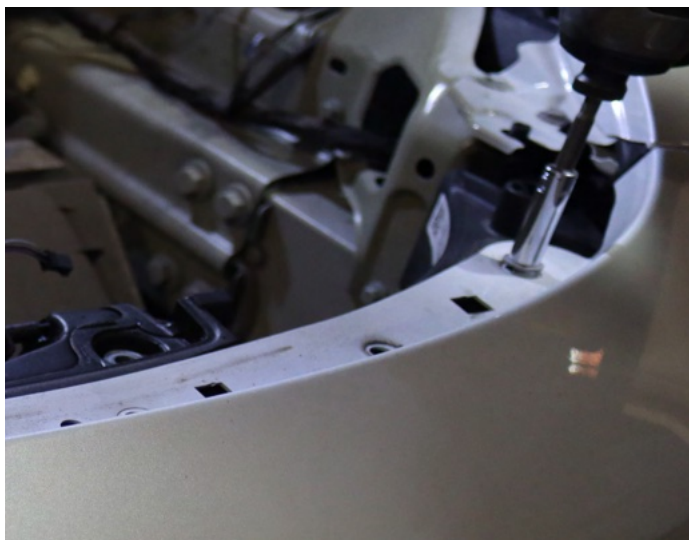
Gently pull the side of the front bumper outward to release it from the mounting. Repeat the same steps for the other side of the wheel well.



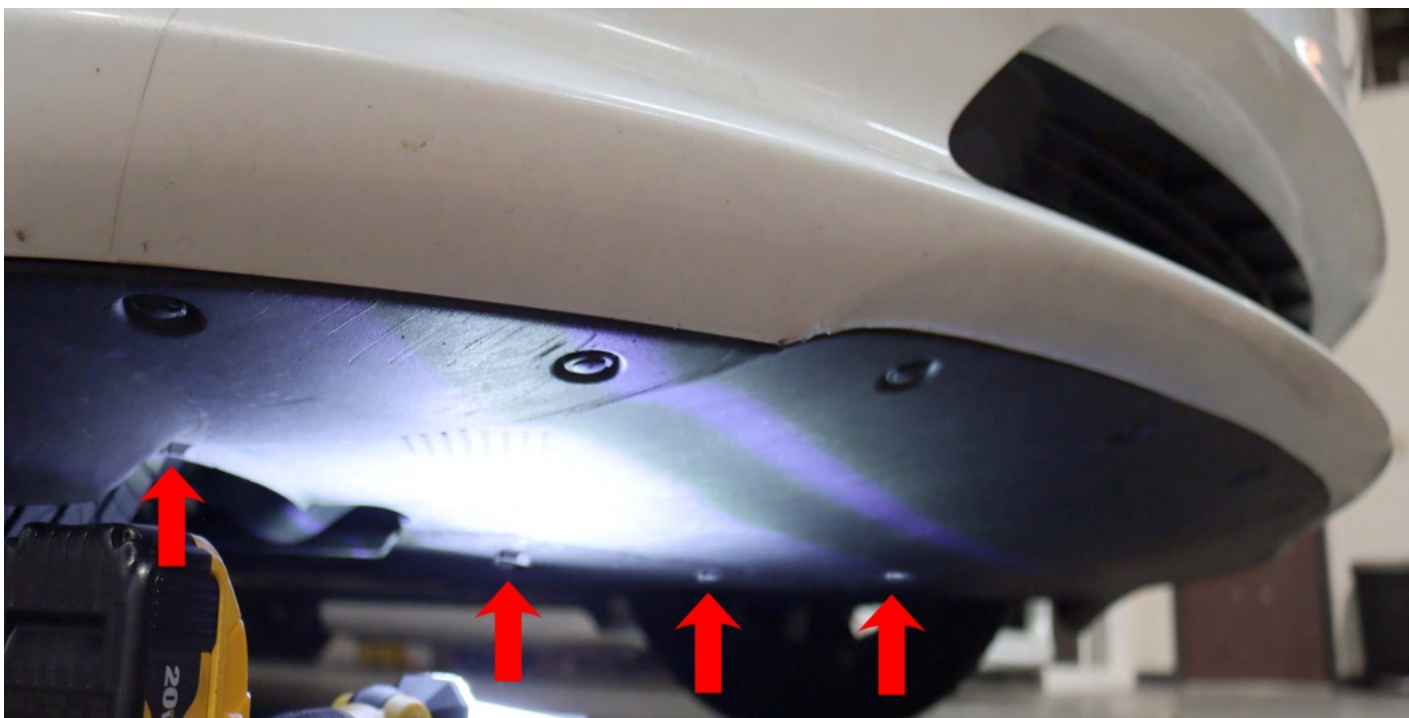
Remove the six 10mm bolts located on the top of the front bumper.





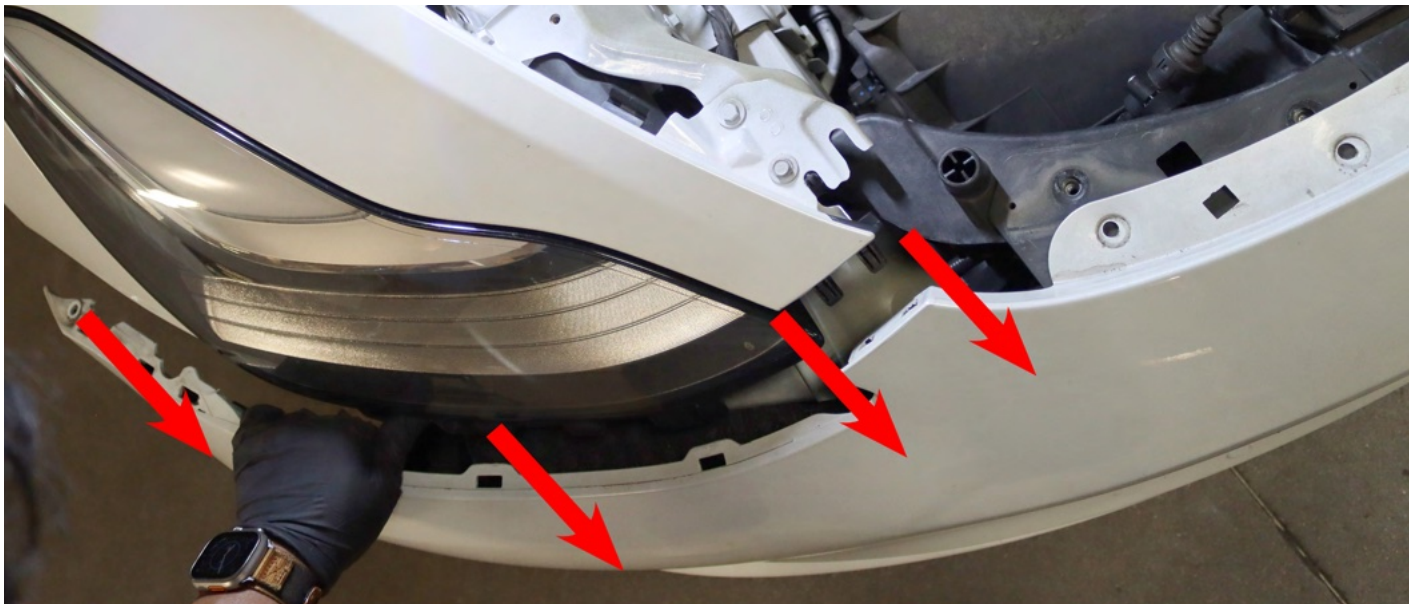


To remove the entire bumper, unscrew the four 10mm bolts positioned beneath the front bumper and ensure they are securely detached.



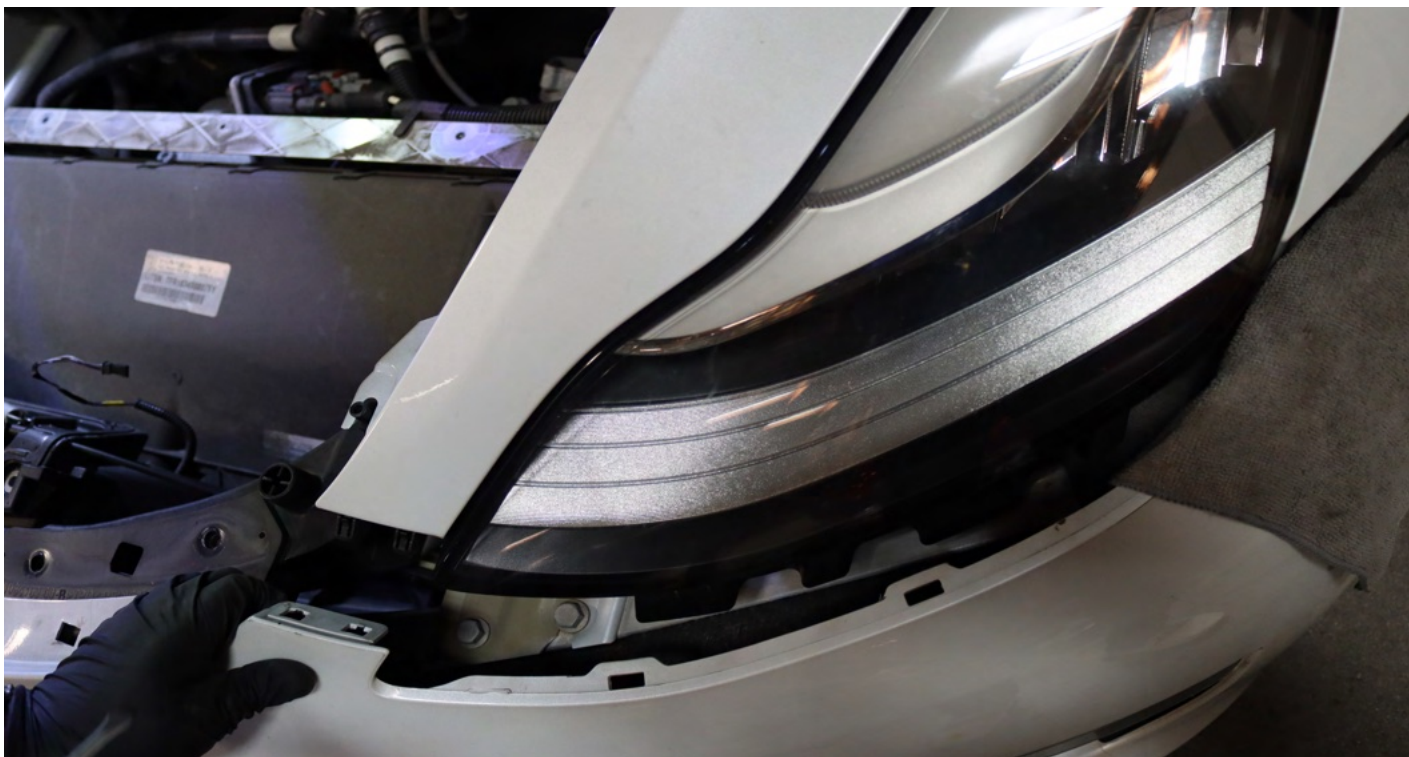


Utilize a flat-head screwdriver to gently push and release the mounting clips from inside. Then carefully pull the front bumper outward.





Repeat the same steps for the other side to completely remove the front bumper.





Before removing the front bumper entirely, make sure to disconnect the lights' connections.



Afterward, proceed with removing and setting the bumper aside to begin preparing for the fog lights installation.



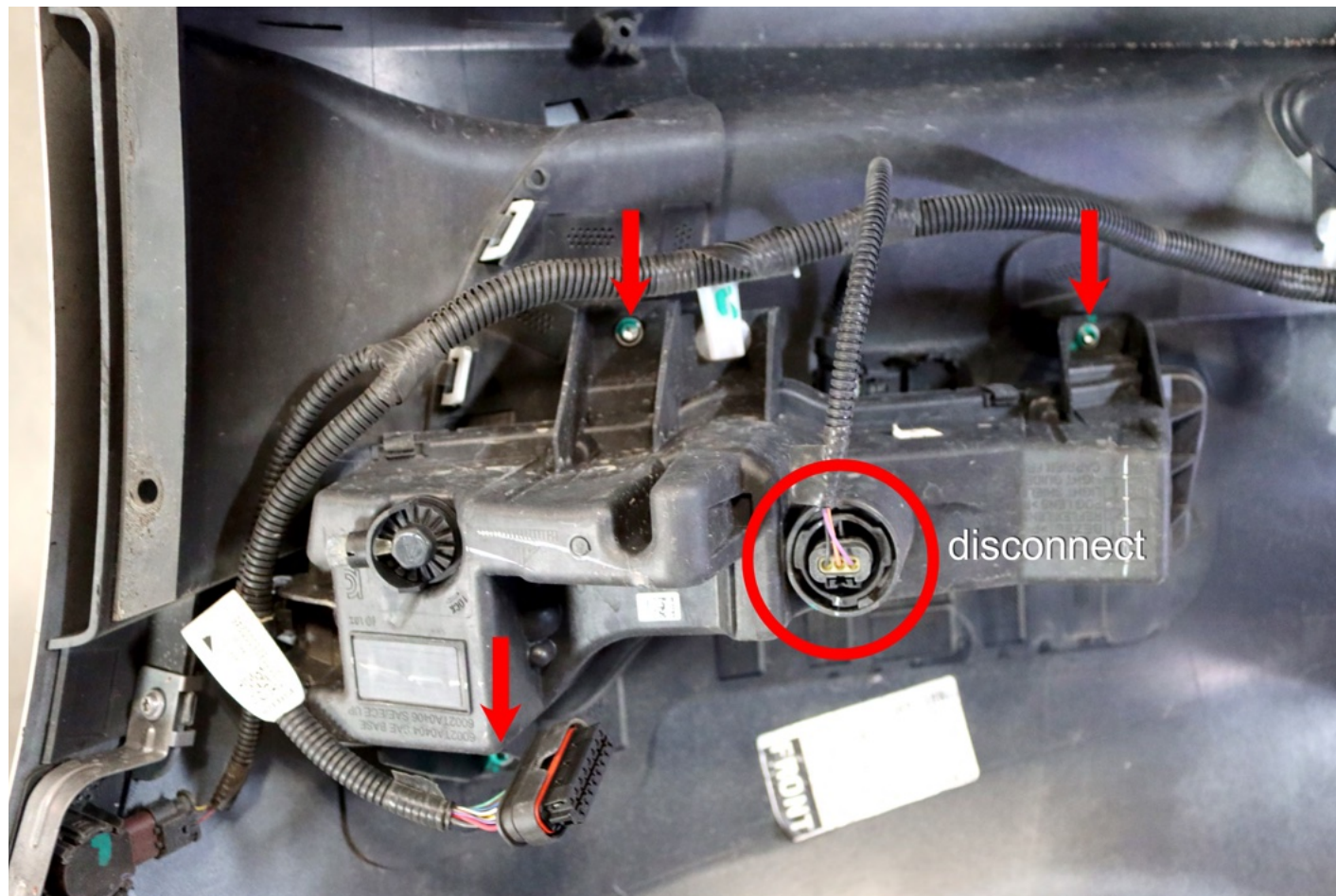


## PART II INSTALL LED FOG LIGHTS



### STEP 1. INSTALL ALPHAREX LED FOG LIGHTS TO THE FRONT BUMPER

Begin by disconnecting the factory fog light connection, then proceed to remove the assembly by loosening the three T25 bolts.

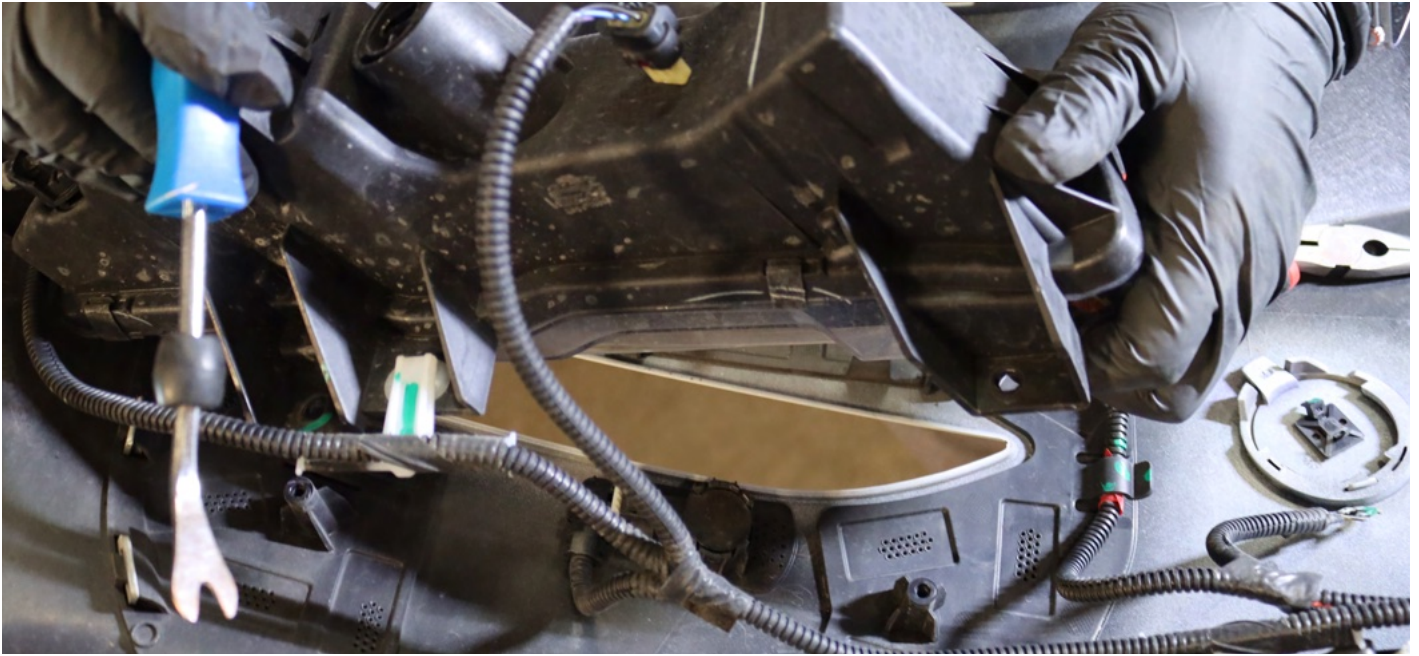








Use the panel popper to aid in releasing the fog light assembly from its mounting, then remove the wire clip with pliers to fully detach the assembly.





Proceed to install the new ALPHAREX LED fog light by gently aligning the mounts and giving a slight downward push to settle it in place. Ensure to secure the three T25 bolts firmly.



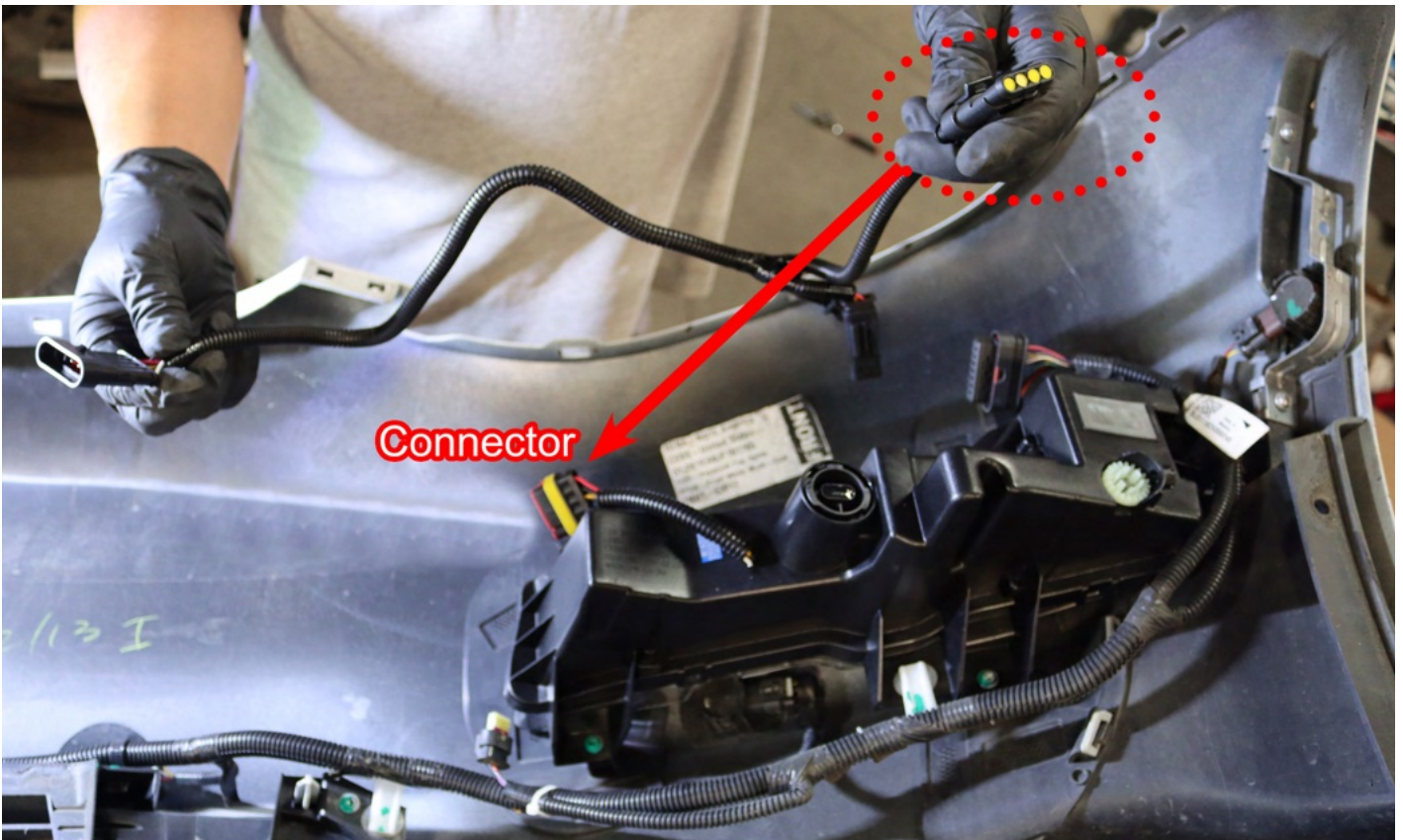
Repeat the same steps to remove the fog light assembly on the other side.





## STEP 2. MAKE THE CONNECTIONS AND ROUTE THE WIRING

Now that you have installed the new ALPHAREX LED fog lights onto the front bumper, let's prepare to connect the wiring. From the package, you should find two wiring harnesses. Connect each wiring harness to the corresponding side of the fog light.

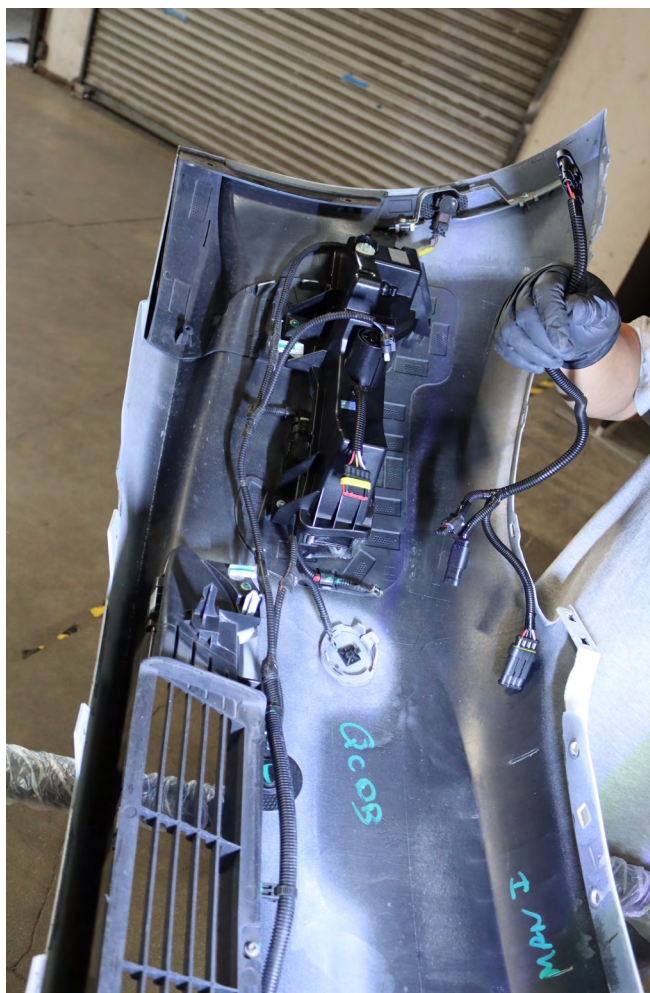




Plug the connector into the ALPHAREX LED fog light assembly. **DO NOT USE DIELECTRIC GREASE!**



Repeat the same steps for the connection of the other ALPHAREX LED fog light.







Next, from the package, you should also find a wiring extension to connect the wiring harnesses. Let's prepare to connect both fog lights with the wiring extension.





First, identify the connector on the wire extension that will connect to the factory fog light connector.

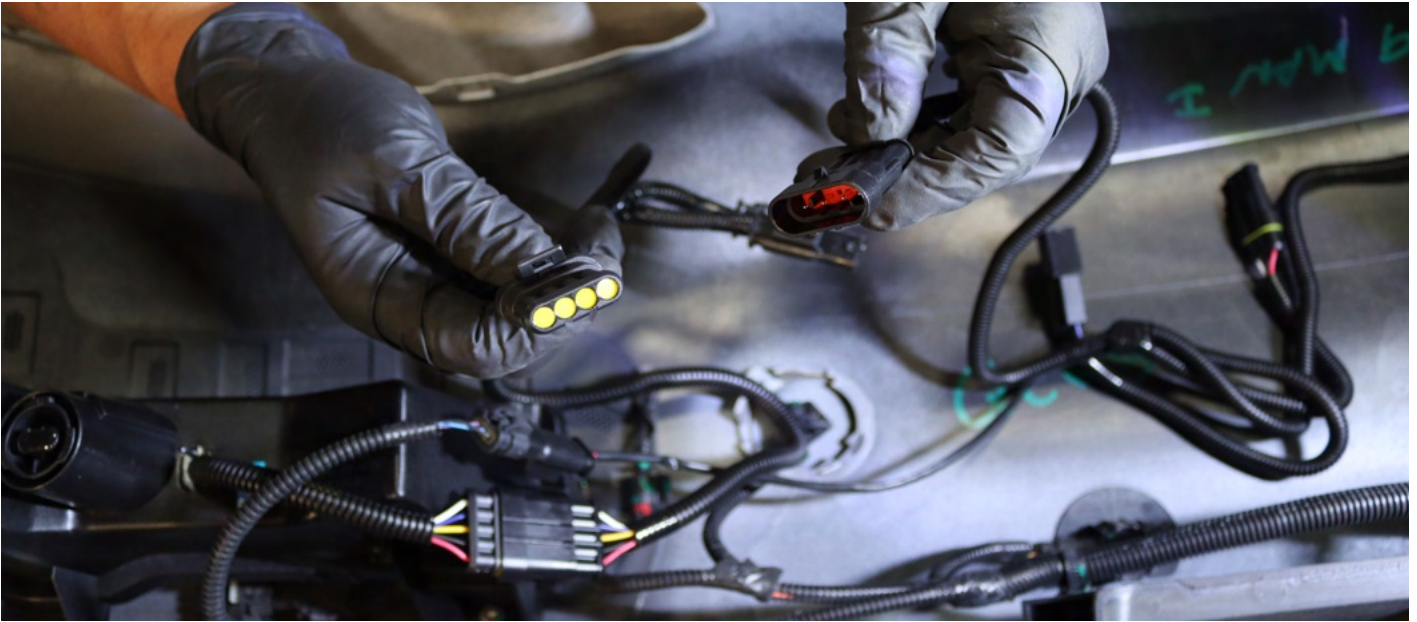


Plug in the fog light connector.

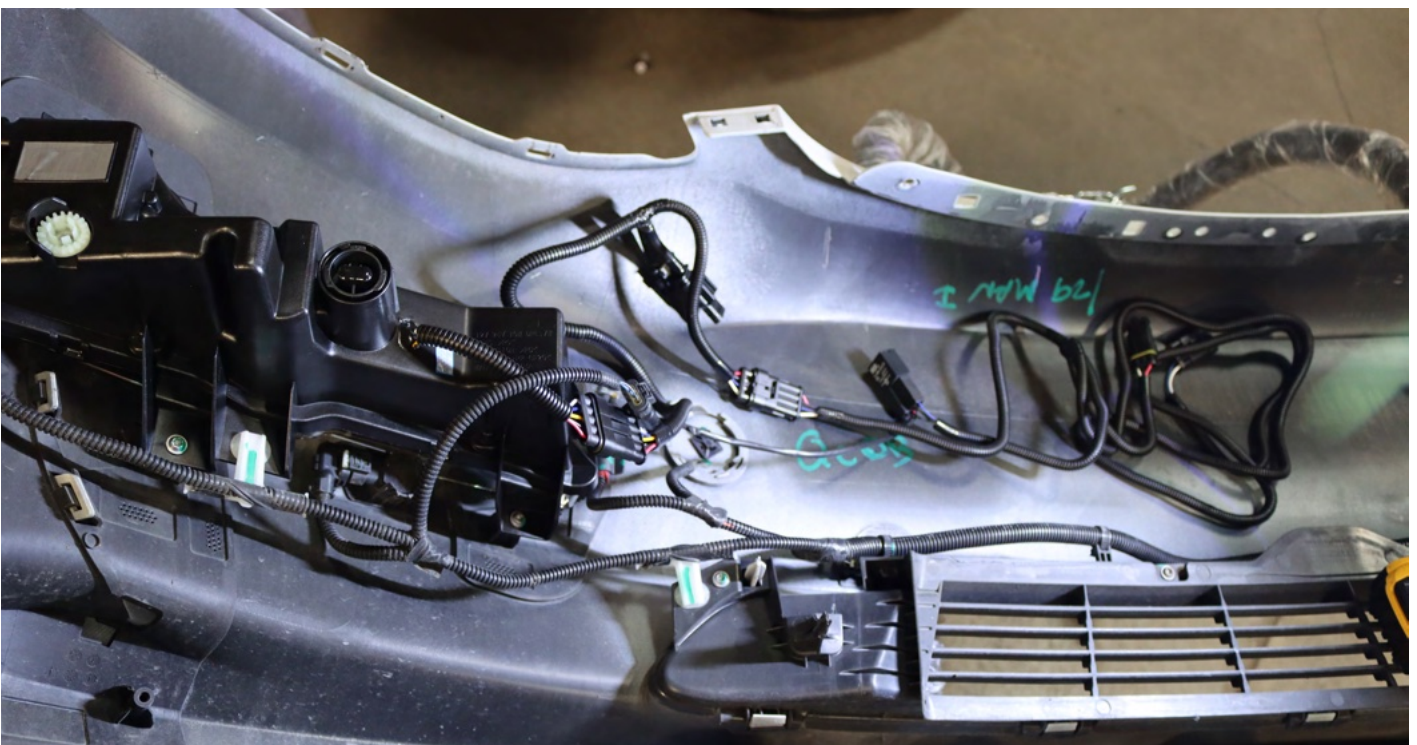




Afterward, locate the connector on the wire extension that corresponds to the ALPHAREX LED fog light wire harness connector.

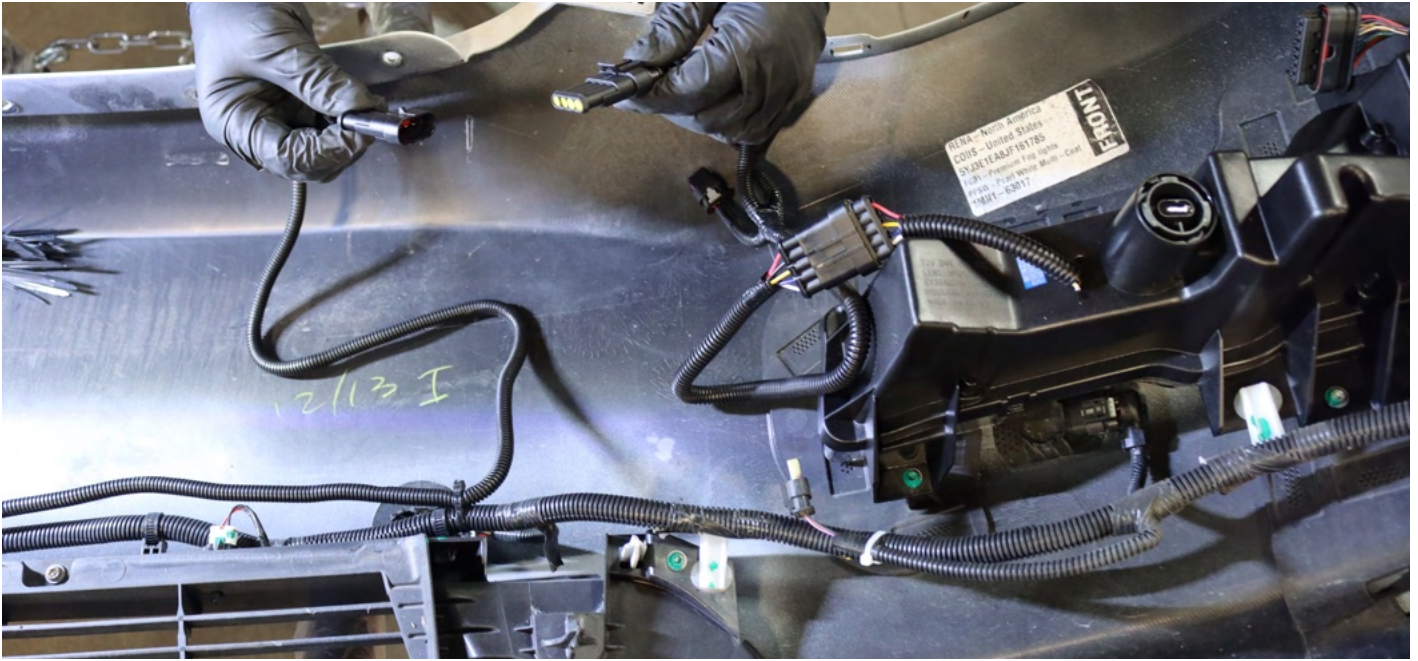


Plug in the connector.



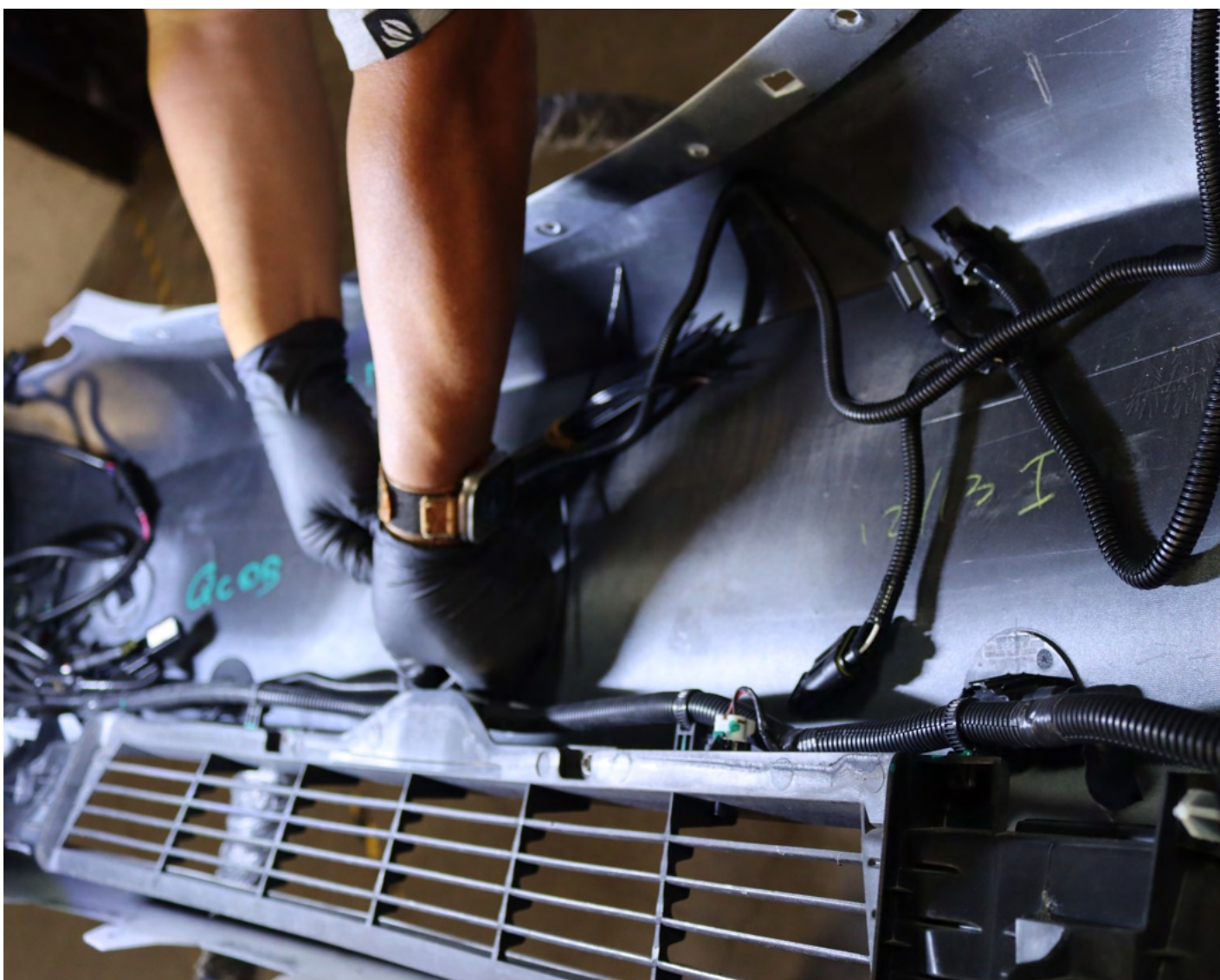


For the other side of ALPHAREX LED fog light, follow the same steps for the opposite end of the wire extension.



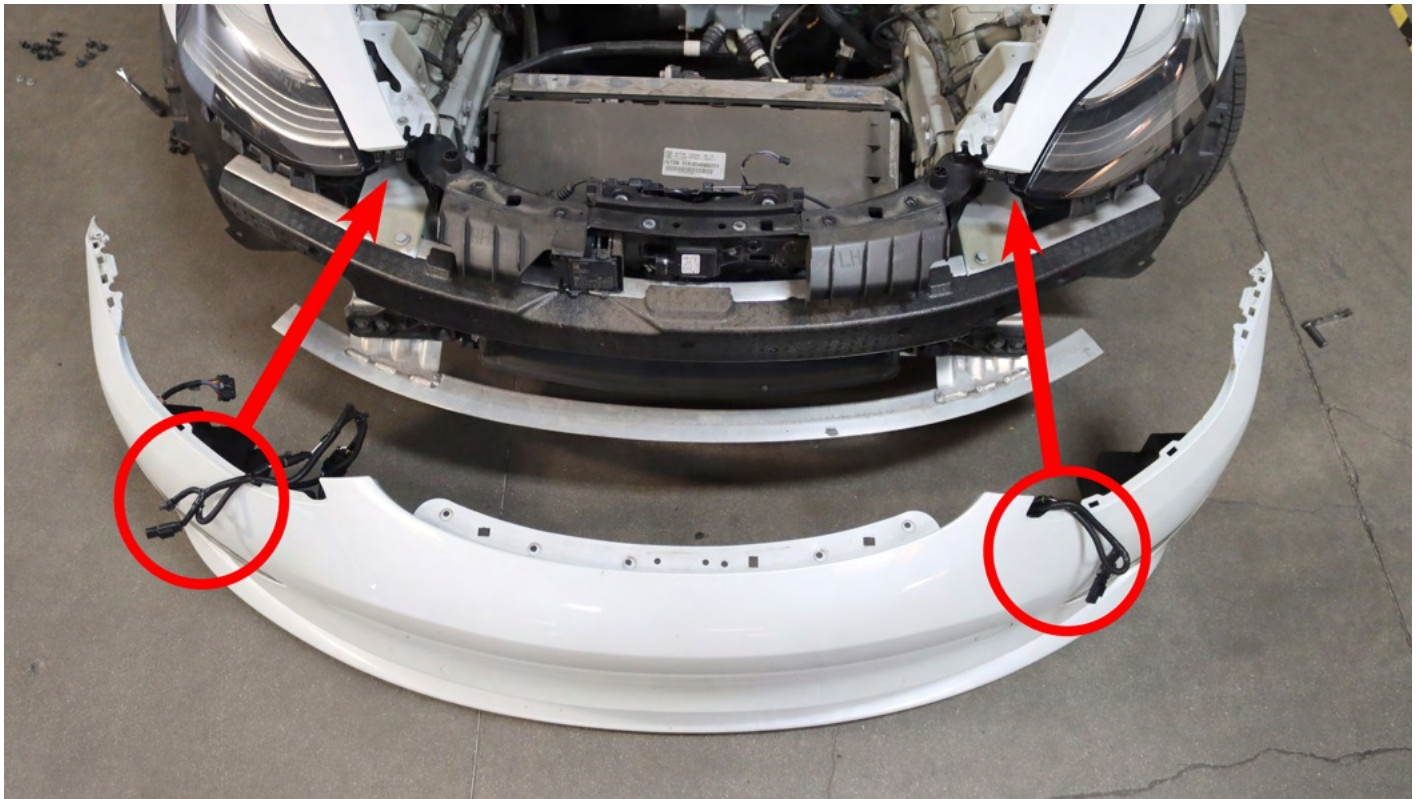


Use zip ties to bundle up any excess wire and securely fasten it in place.

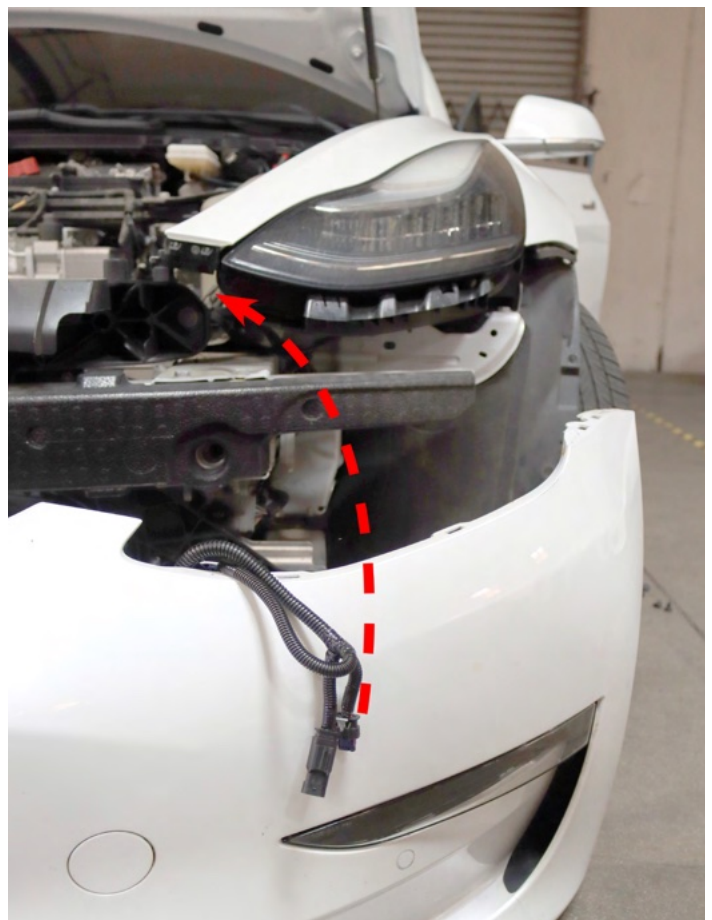
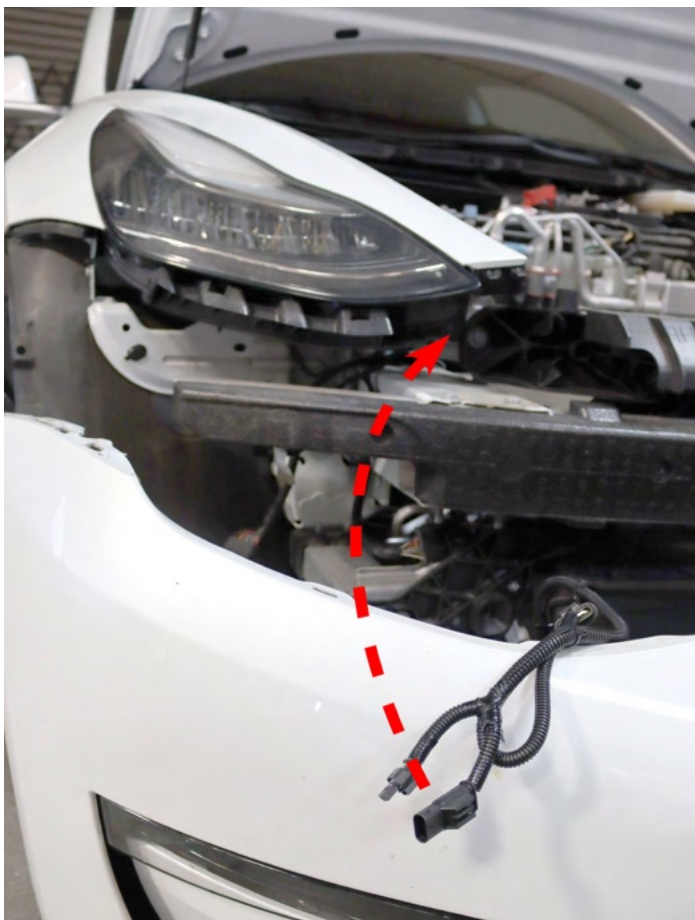




After completing the installation of the ALPHAREX LED fog lights on the front bumper and establishing the required connections, proceed to route the wire extension towards the rear of the headlights on each side.



Bring the front bumper closer to the vehicle and begin routing the wire extension towards the back of the headlights for each side. Simultaneously reinstall the front bumper onto the vehicle.













### STEP 3. IDENTIFYING YOUR HEADLIGHTS

It's important to identify the type of headlights installed in your vehicle to ensure proper connection. If your Tesla came equipped with OE LED projector headlights from the factory, you can directly connect them without the need for additional wiring or decoders.

**If your Tesla was originally equipped with OE REFLECTOR headlights from the factory and/or has been upgraded to ALPHAREX LED PROJECTOR HEADLIGHTS, it's essential to utilize the appropriate wiring and decoders, both of which are available separately.**

Please refer to the relevant instructions below, depending on the type of headlights you are connecting.



OE LED PROJECTOR HEADLIGHTS



OE REFLECTOR HEADLIGHTS



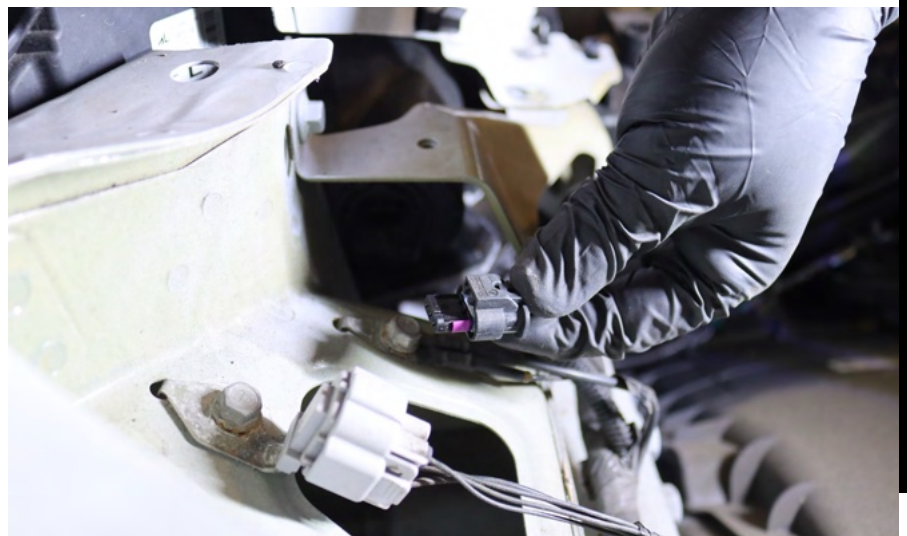
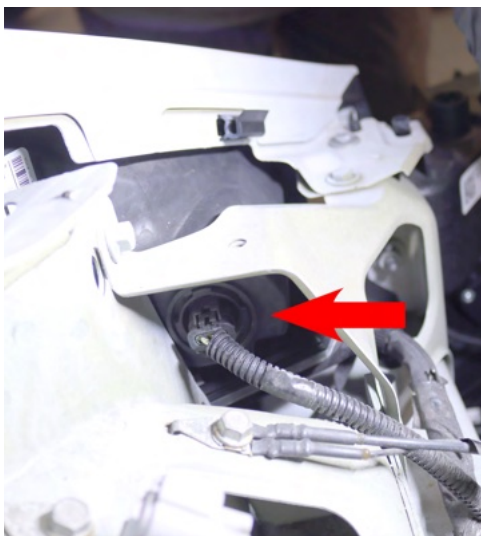
ALPHAREX LED PROJECTOR HEADLIGHTS



Wiring kit and decoders are required for installation

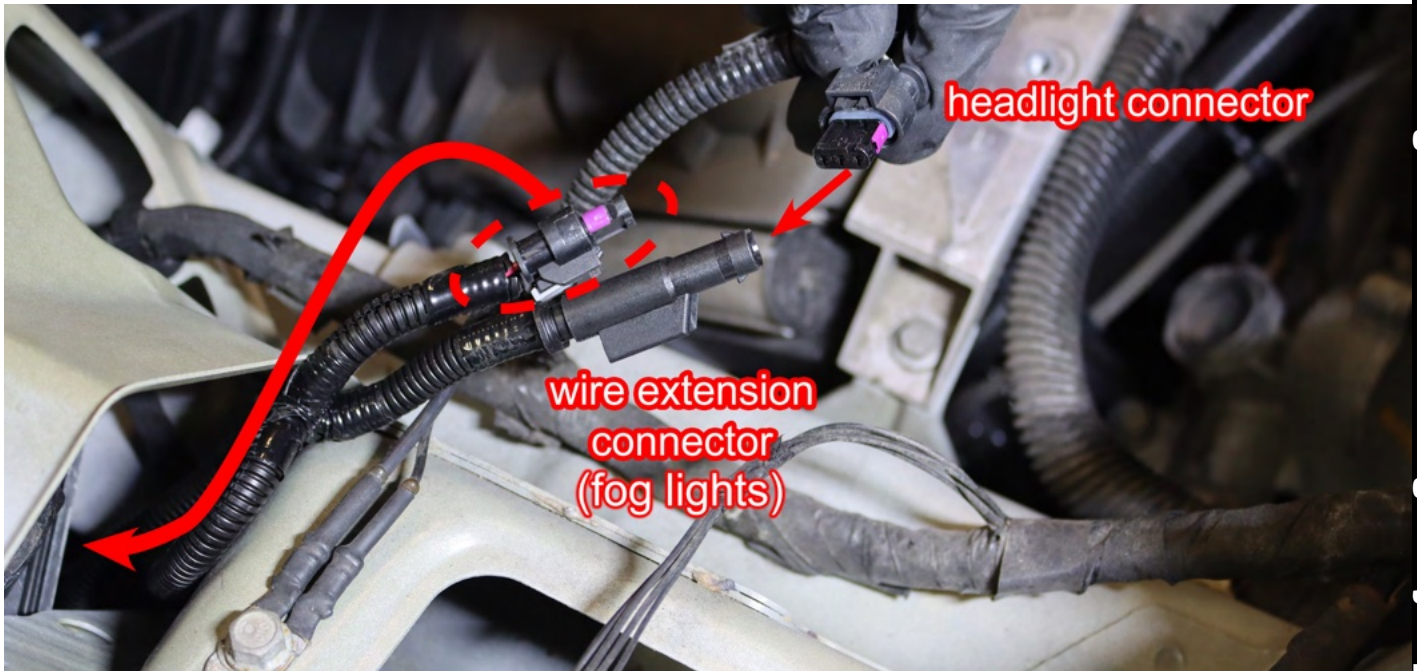
### Connecting on a vehicle originally equipped with LED PROJECTOR HEADLIGHTS

Start by unplugging the headlight connector from the assembly.





Connect the headlight connector to the (fog lights) wire extension connector.  
Then connect the other connector to the headlight assembly.  
Follow the same steps for the other side of the fog light connection to complete the installation of the fog lights, ensuring they work seamlessly with the OE LED Projector headlights.





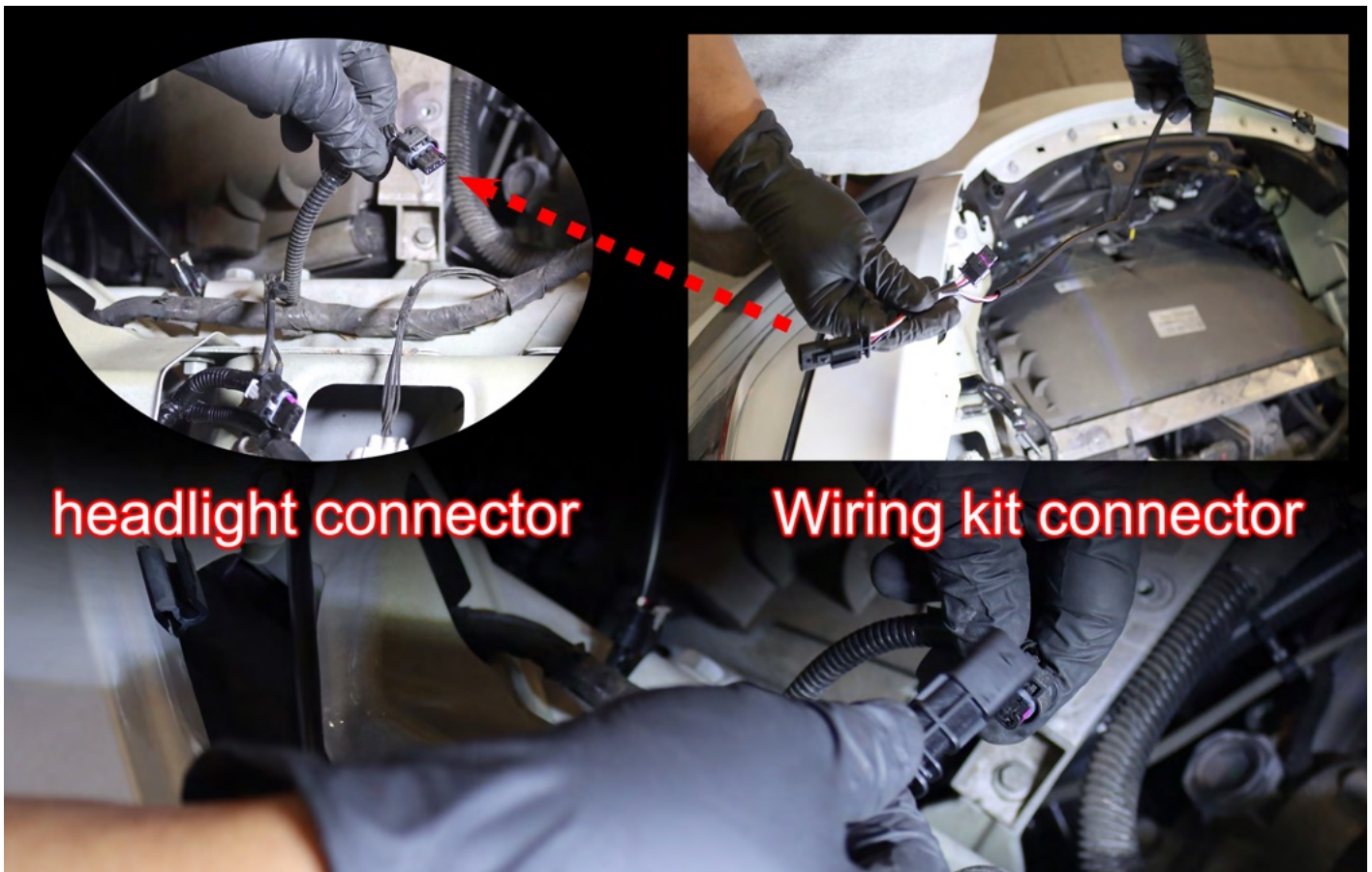
## Connecting on a vehicle originally equipped with REFLECTOR HEADLIGHTS



Start by unplugging the headlight connector from the assembly.



Connect the headlight connector to the wiring kit connector.

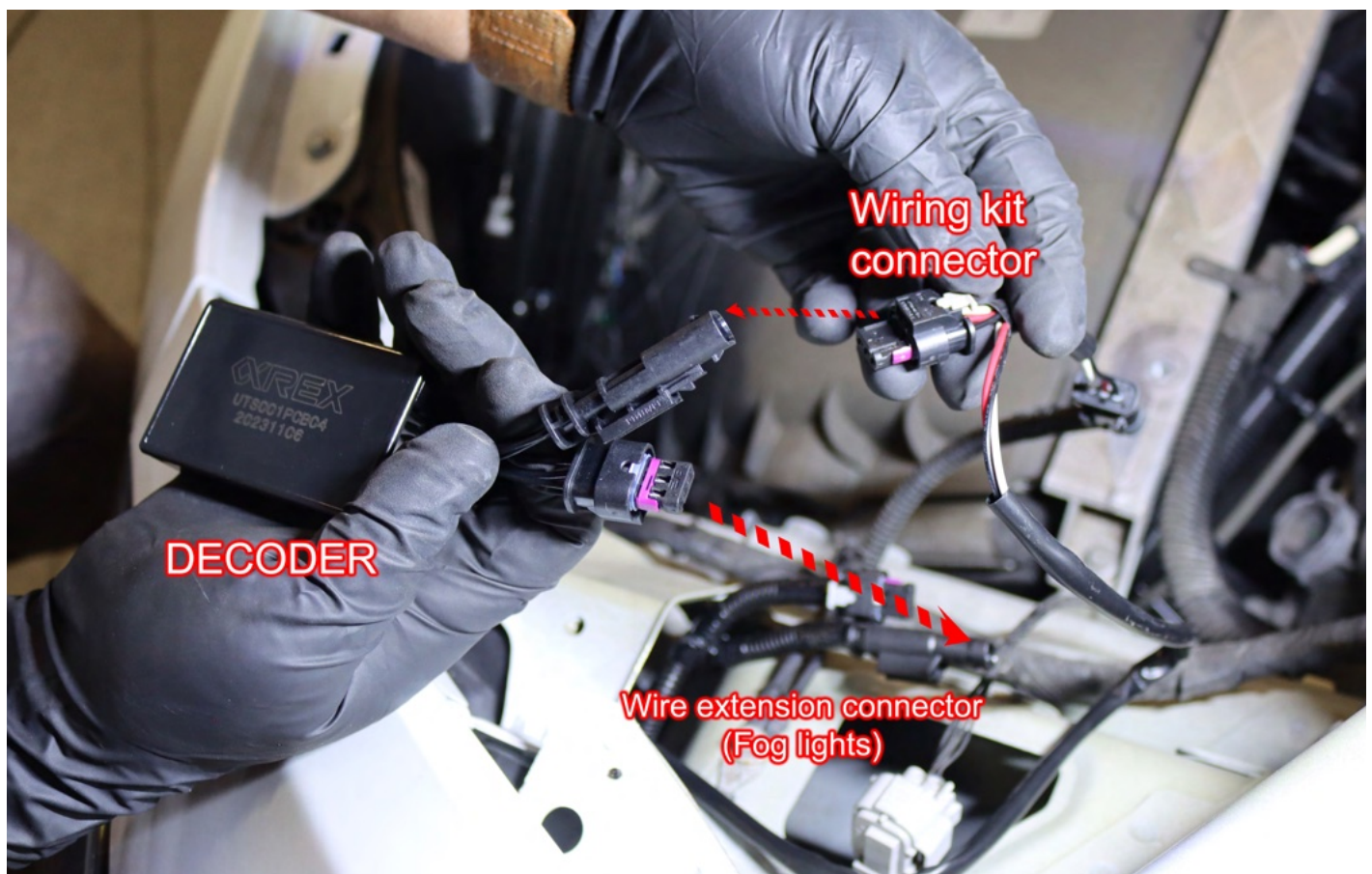




Then connect the other end of the wiring kit connector to the headlight assembly.



Connect the wiring kit decoder connector to the decoder.





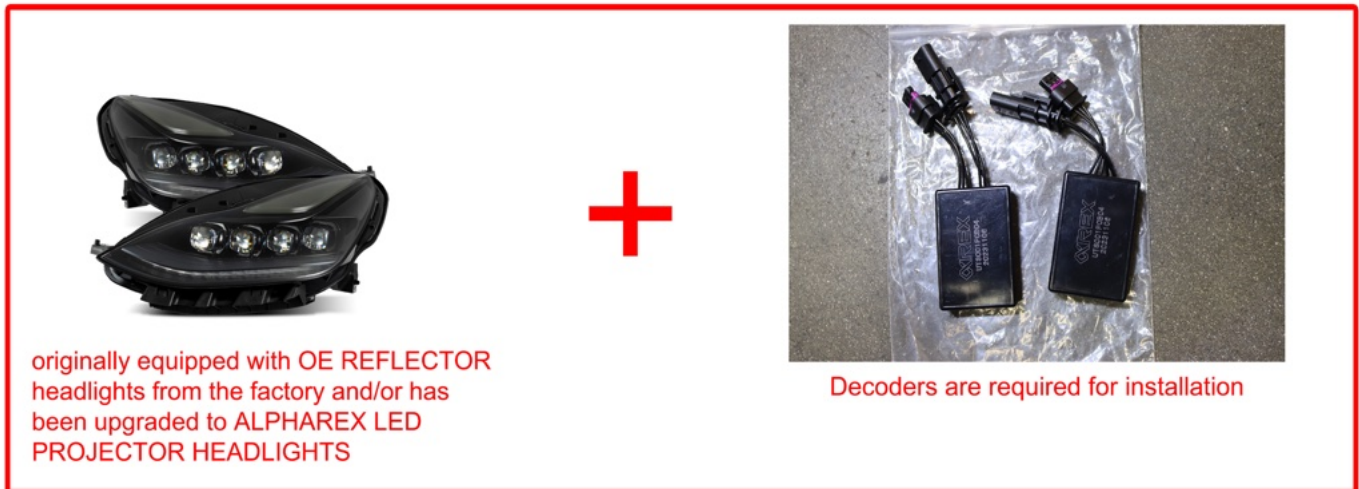


Lastly, connect the decoder to the fog lights wire extension connector. Follow the same steps for the other side of the fog light connection to complete the installation of the fog lights, ensuring they work seamlessly with the OE REFLECTOR headlights.





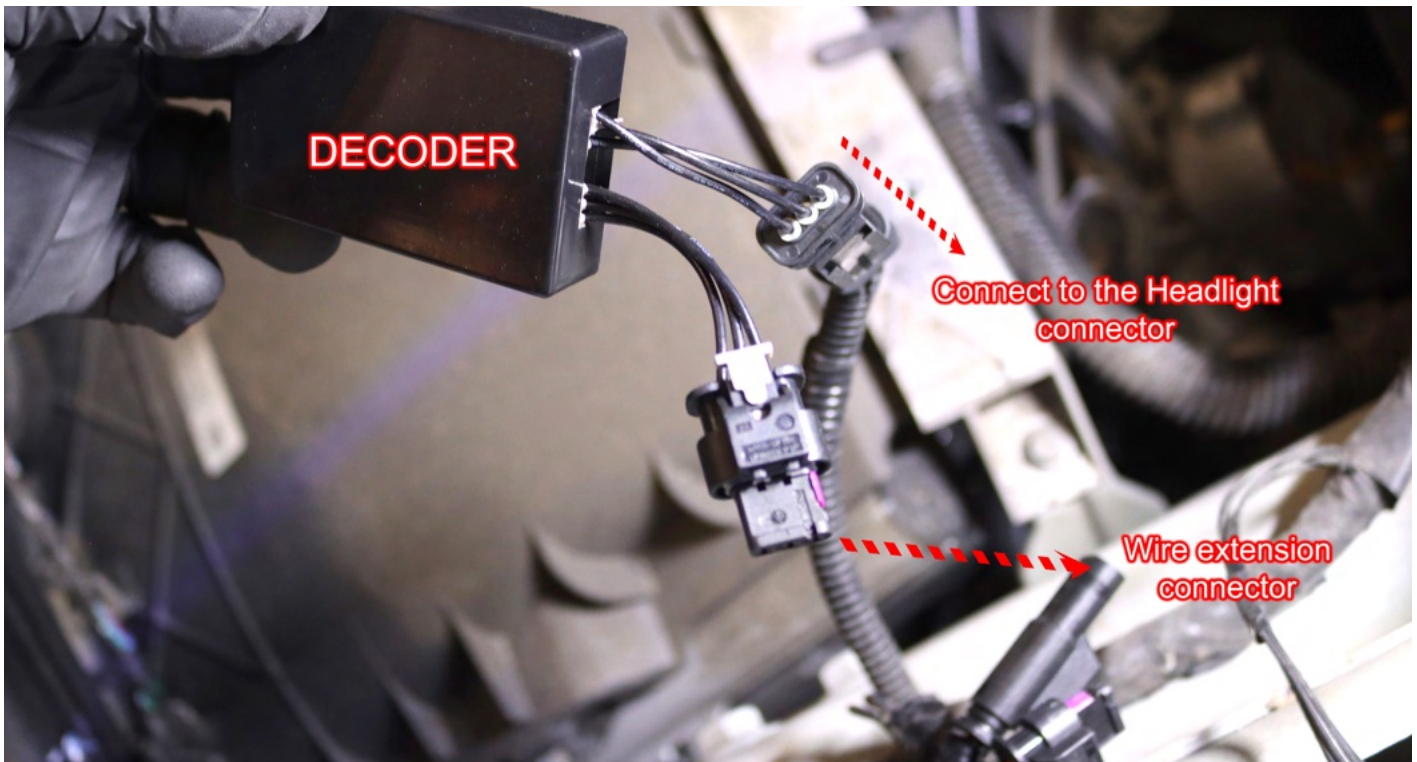
## Connecting on a vehicle originally equipped with REFLECTOR HEADLIGHTS and/or has been upgraded to ALPHAREX LED PROJECTOR HEADLIGHTS



Start by unplugging the headlight connector from the assembly.



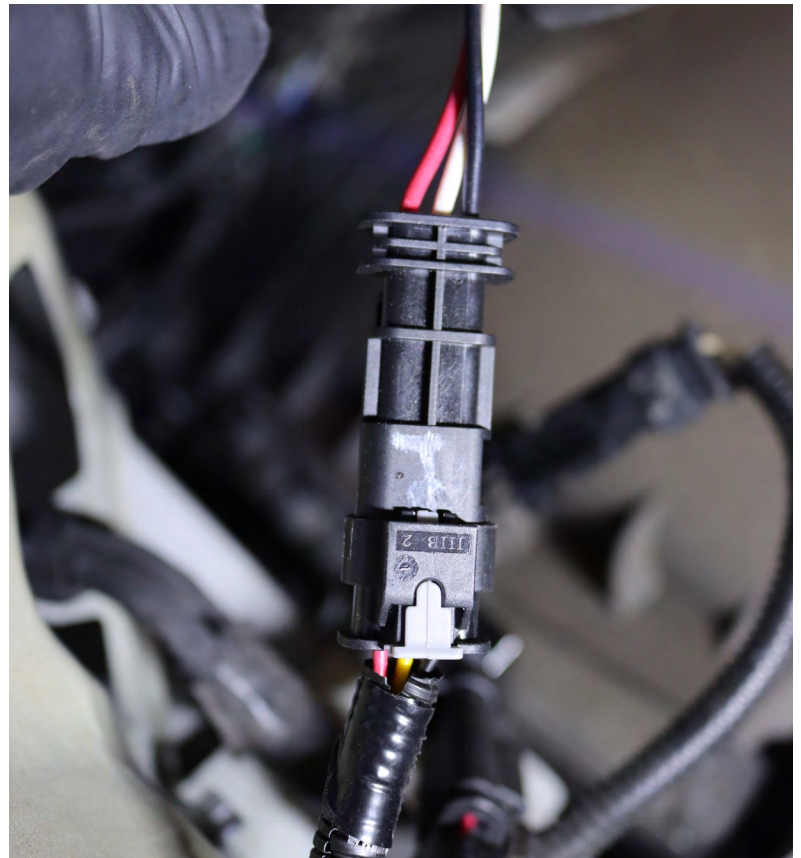
Connect the decoder to the headlight connector, and the other connector to the wire extension connector.







Lastly, connect the other wire extension connector to the ALPHAREX LED Projector headlight assembly. Follow the same steps for the other side of the fog light connection to complete the installation of the fog lights, ensuring they work seamlessly with the ALPHAREX LED Projector headlights.





## STEP 4. COMPLETE INSTALLATION

Congratulations! You have completed the installation for ALPHAREX **2017-23 Tesla Model 3 LED FOG LIGHTS.**

