

INSTALLATION GUIDE FOR 14-20 TOYOTA 4RUNNER HEADLIGHTS

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This installation article is a tutorial guide. By reading this article, you agree it is for reference and AlphaRex USA nor our distributors make any guarantee on any finished results, nor we held any responsibility for any damage, misuse or personal injuries. If you do not fully understand the installation procedure, we highly recommend you seek help with professional mechanics to do the installation.

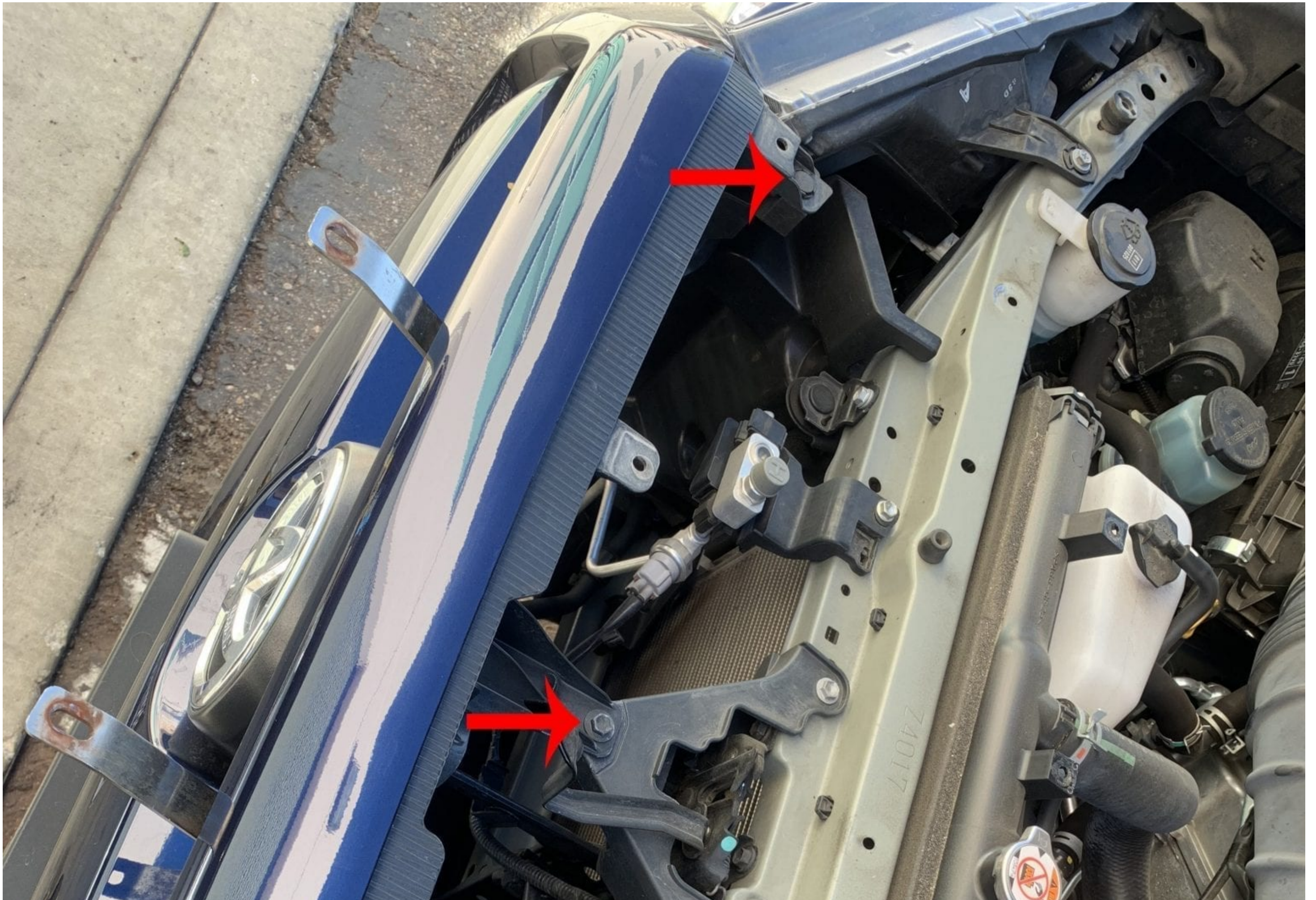
Step 1

Remove top plastic cover, mounting tap can be remove by pushing the middle of each tap.



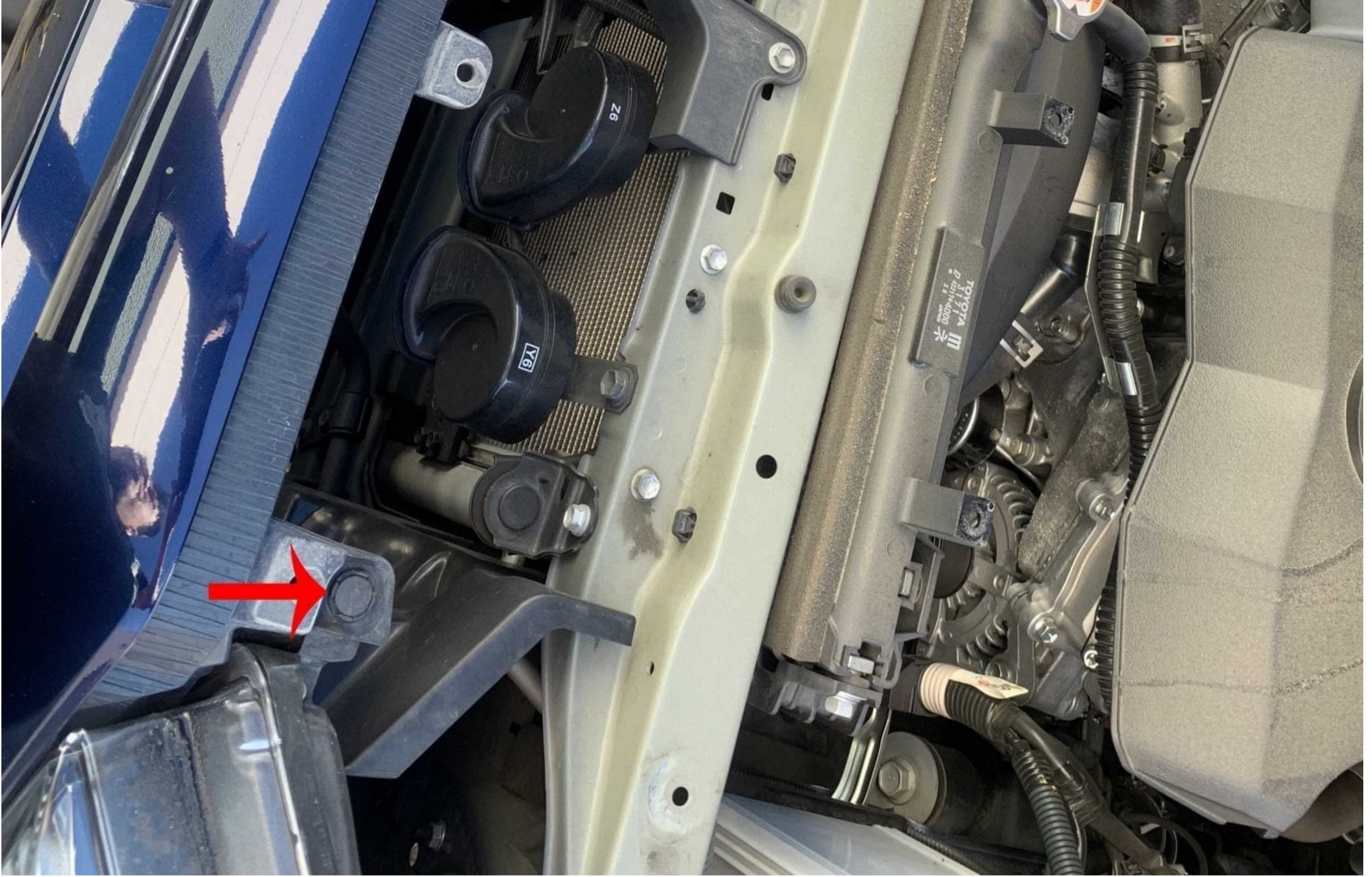
Step 2

Remove the 10mm and the 2 mounting taps on the upper part of the front grill.



Step 3

Remove the 4 mounting taps on the back of the lower part of the front grill.



Step 4

Remove the 6 x 10mm bolts, three on each side by the wheel well.

Step 5

Remove 6 x 10mm bolts on the bottom across the bumper, unplug the passenger side fog light while you are removing the bottom bolts Below image show the 3 bolts on one side, remove the other 3 bolts on the other side.

Step 6

Pull on the side of the bumper, you can use the small flat head screw driver to help release the clips.

Step 7

Loosen the front bumper cover and unplug the driver side fog light and remove the front bumper completely.

Step 8

Lift up both side molding along the fender

Step 9

Remove the 4 bolts that's holding the headlight.

Step 10

With the headlight remove, unplug the 4 connectors.

Step 11

With both headlights remove, it's time to connect the DRL harness, with the red to the battery positive, black to the negative or the 10mm bolts on the firewall.

Step 12

In order for the DRL to function during the day, you will need to tap the grey wire into your INJ fuse (10A) route and connect the two red wires, one to the back of each headlight.

Step 13

Transfer bumper bracket from stock headlights to our headlights.

Step 14

You will next aim the headlights at about 25ft against a wall on a level surface. Clockwise – Lower, counterclockwise – Raise.

You are all set!

HOW TO WIRE THE DRL HARNESS?

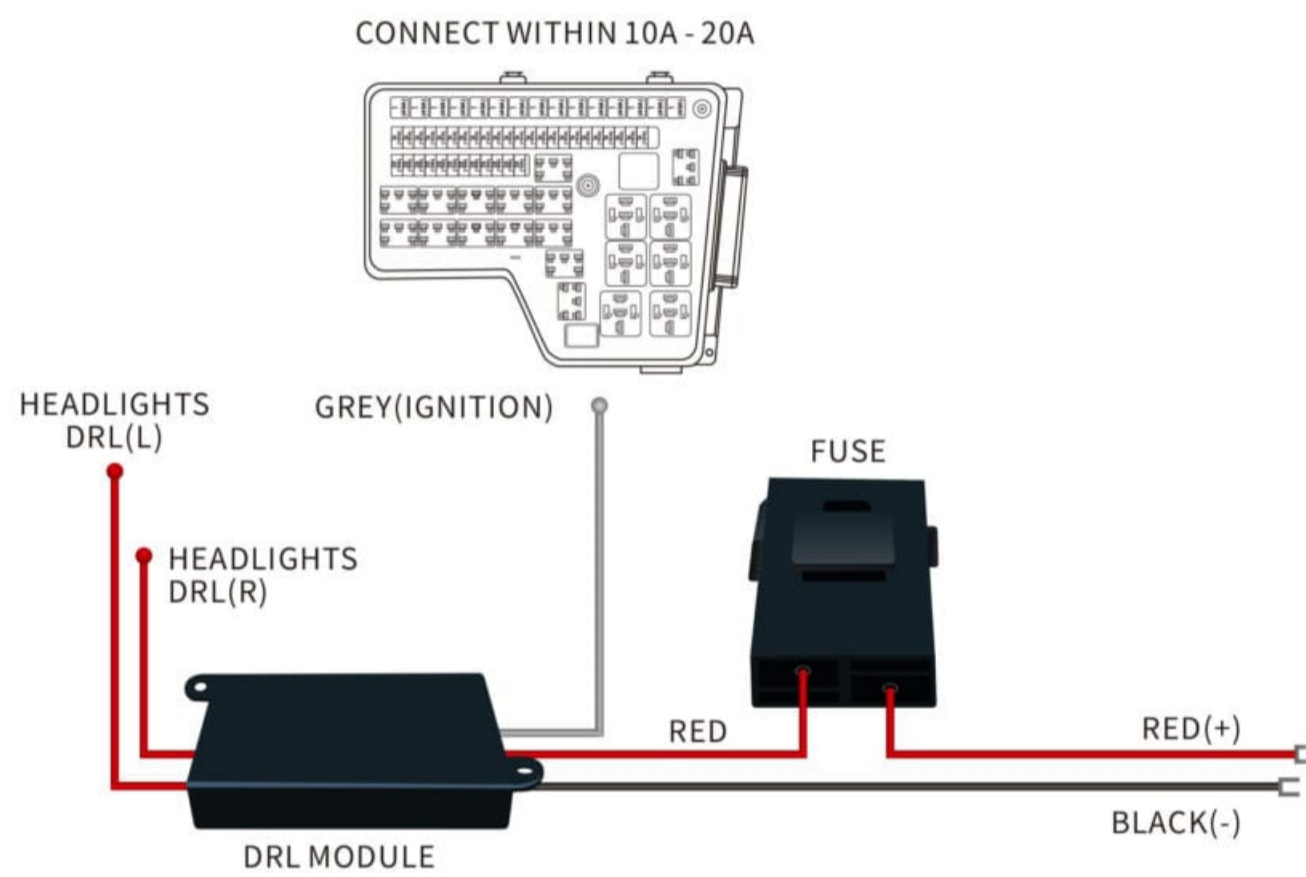
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Wiring the DRL harness

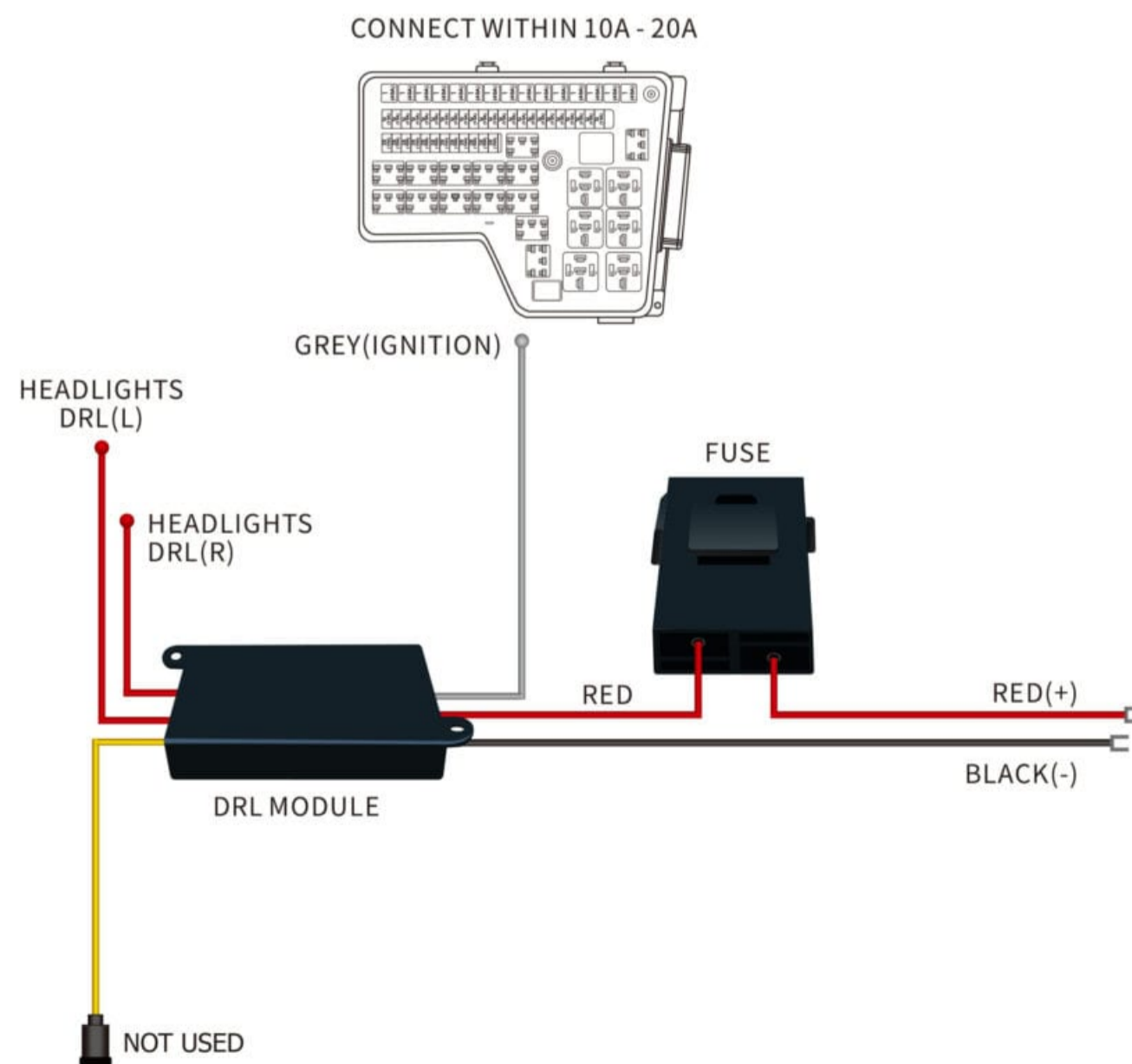
One of the key features of our headlights is to have the ability to run the DRL strips in the day without having to activate any of your lighting controls manually. The way to do this is by wiring the harness that is included with your headlights.

Depending on the headlights feature you get, there will be two types of DRL harness. For headlights with activation light and sequential signal feature, there will be an extra yellow wire from the harness, and that wire is for manufacturer to use as decode purpose and you can ignore it during installation.

DRL WIRING DIAGRAM



DRL WIRING DIAGRAM



The function of the DRL harness is to allow the DRL with different intensity during daytime and night time. Basically, the DRL harness will supply extra power to the DRL for brighter output during daytime, and when the parking light is on, the DRL will be at reduced intensity. With the optional harness installed, the headlights will function as follows with most vehicles:

Ignition/Engine ON	- DRL at High intensity
Parking Light ON	- DRL at reduced intensity - amber side marker
Low Beam ON	- DRL at reduced Intensity - Amber side marker - Low beam on
High Beam ON	- DRL at reduced Intensity - Amber side marker - Low beam on - High beam on
Automatic Function	- Will function as normal

If you do not wish to install the harness, the only function you will be missing is to have the DRL run at high intensity while your headlights are set in the off position and the engine/ignition is on. If your vehicle's lighting is set to the automatic setting, all functions will work as normal.

Tapping the grey wire to ignition

With the grey wire, you will need to tap it into a switched fuse under the hood. We recommend that you use a fuse tap similar to the picture below.

Suggest fuse locations

2009-2014 Ford F150 – #79

2015-2017 Ford F150 – #97

2018-2019 Ford F150 – #36

2017-2019 Ford Super Duty – #35

2009-2019 Ram – #F66

2015-2019 Chevrolet Silverado 2500HD/3500HD – #39

2007-2013 Toyota Tundra ING fuse

2014-2020 Toyota Tundra ING fuse

2014-2020 Toyota 4Runner INJ fuse

Learn more about custom and factory headlights we have.