

Installation Guide for 09-18 Ram Headlights

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.

Warning:

Step 1

Remove radiator shroud held by a total of (4) ribbed clips on the bottom and (2) push clips on the top.

Tools Needed: 10mm socket clip remover or flat head screwdriver



Step 2

Remove (4) 10mm bolts holding in the grill.



Step 3

Pull grill outwards with moderate force to disengage bottom clips. The grill should be able to be completely removed at this point.

Step 4

Remove a total of (4) 10mm bolts.

Step 5

Open access panel from wheel well.

Step 6

Push up on the white tab to release the headlight from the truck.

Step 7

Once the headlight has been removed, unlock the grey tab and you should be able to remove the low/high beam connector.

Step 8

Remove turn signal socket and amber bulb. You should then be left with these connections left on the truck.

Step 9

Plug the flat black connector into the turn signal socket and connect the low/high beam connector into the truck's harness.

Step 10

Be sure to lock the turn signal back into place on the new headlights.

Step 11

If you are planning to install the optional DRL harness, connect the red wire from the DRL harness (short end to driver side, long end to passenger side) For more information about wiring the DRL harness, please read our article about [How to wire the DRL harness?](#)

Step 12

Connect (+) and (-) from the DRL harness to the battery. For more information about wiring the DRL harness, please read our article about [How to wire the DRL harness?](#)

Step 13

Tap grey wire from harness to fuse F66. For more information about wiring the DRL harness, please read our article about [How to wire the DRL harness?](#)

Step 14

Before bolting the headlights, make sure the bottom mounting bolt is level.

Step 15

Mount and secure headlights to vehicle and test all functions.

Step 16

You will next aim the headlights at about 25ft against a wall on a level surface.

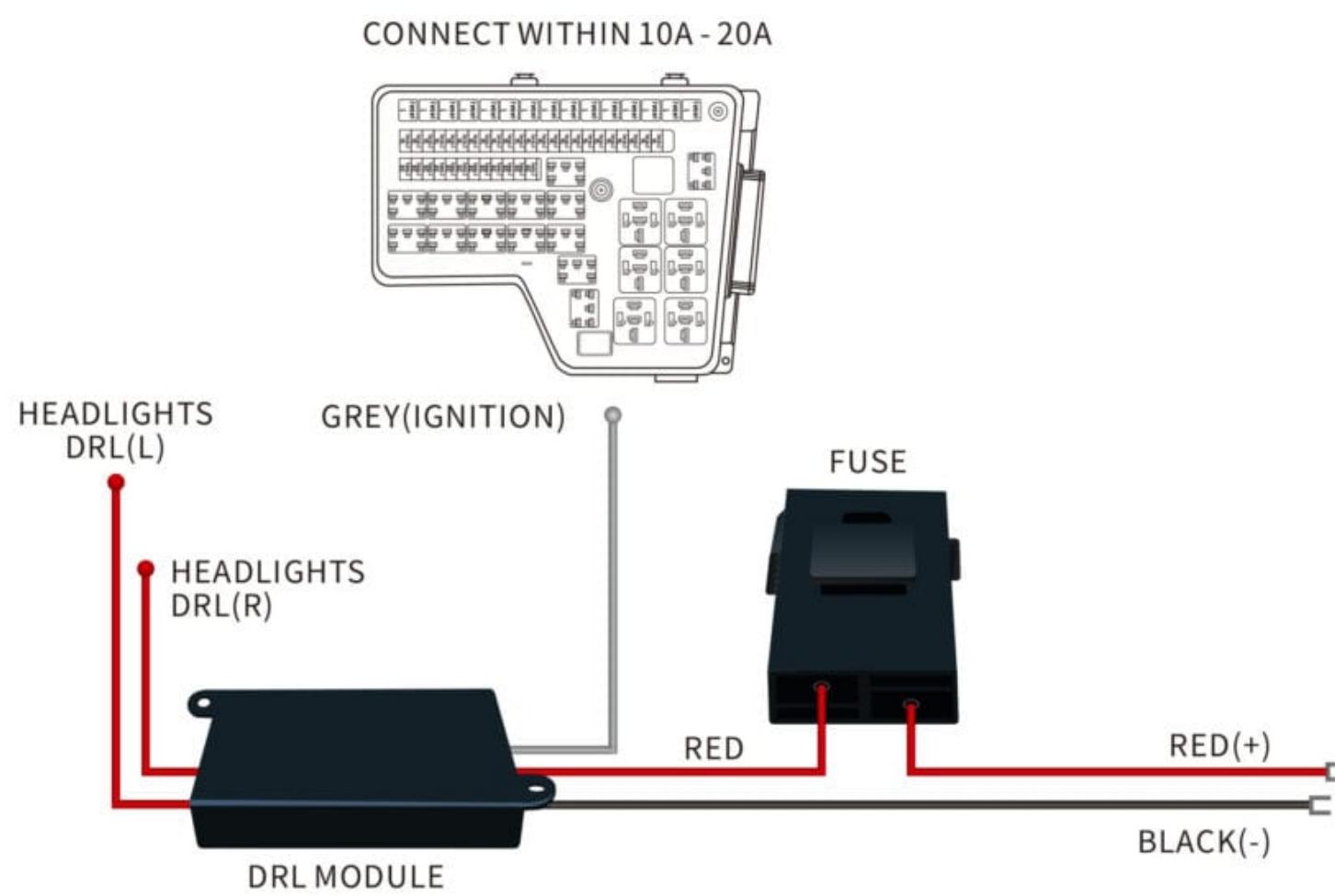
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Wiring the DRL harness

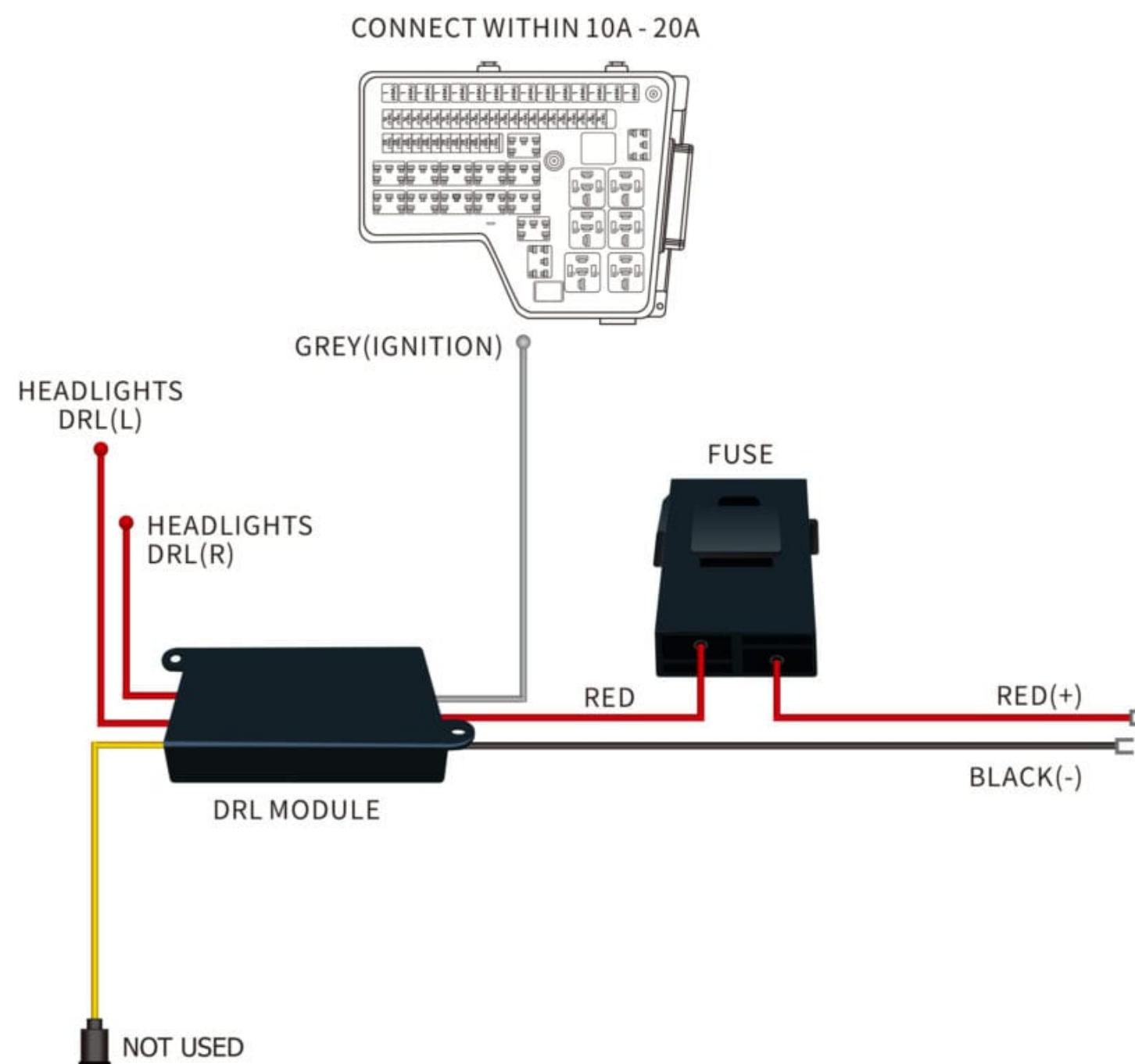
One of the key features of our headlights is to have the ability to run the DRL strips in the day without having to activate any of your lighting controls manually. The way to do this is by wiring the harness that is included with your headlights.

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





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