



Installation Guide for 09-14 Ford F150 Headlights

Step 1

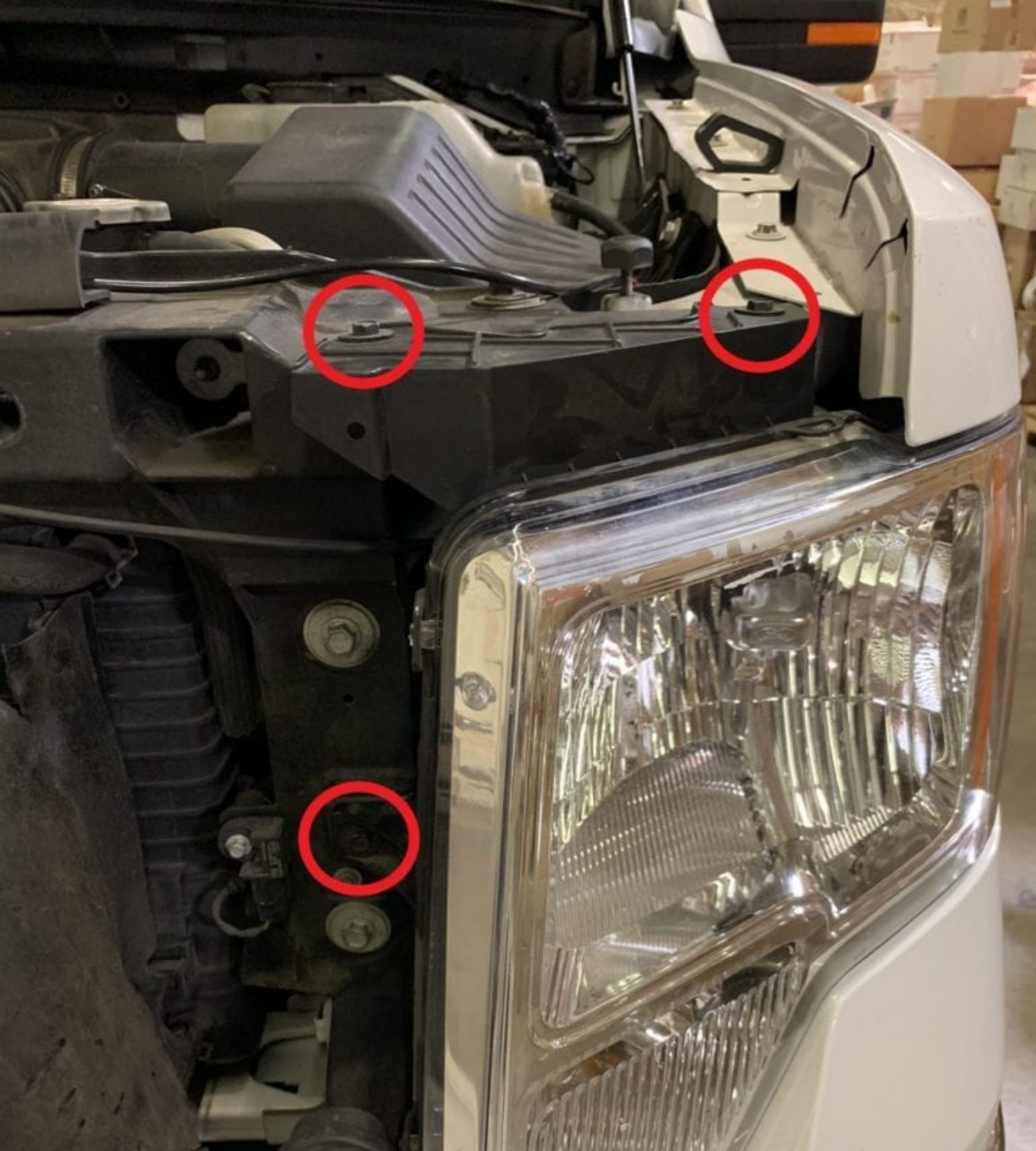
Tools Needed: 10mm socket clip remover or flat head screwdriver

Remove (2) push pins holding up the protective cover.



Step 2

Remove (3) 10MM bolts.



Step 3

Pull headlight assembly outwards to disengage the headlight from your truck



Step 4

Disconnect all the indicated plugs, and remove side marker and turn signal socket.



Step 5

Remove side marker bulb, and attach to the new side marker connection.



Step 6

Attach one end of the turn signal split connection to the turn signal socket.



Step 7

Your headlights should now look like this.



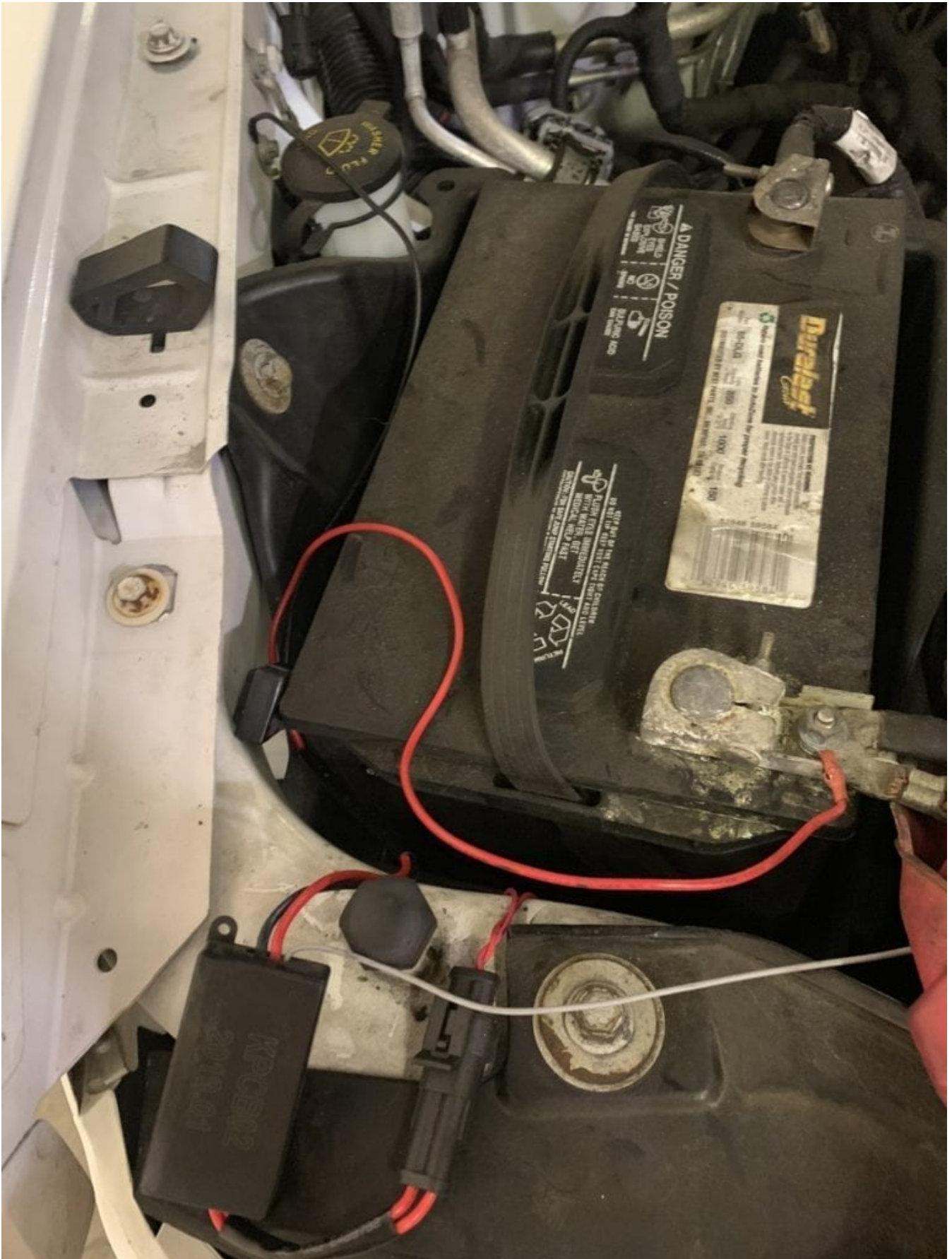
Step 8

Reconnect all sockets back to your truck. If you are planning to install the optional DRL harness, connect the red wire from the DRL harness (short end to passenger side, long end to driver side).



Step 9

Connect (+) and (-) from the DRL harness to the battery.



Step 10

Tap grey wire from harness to fuse F76.



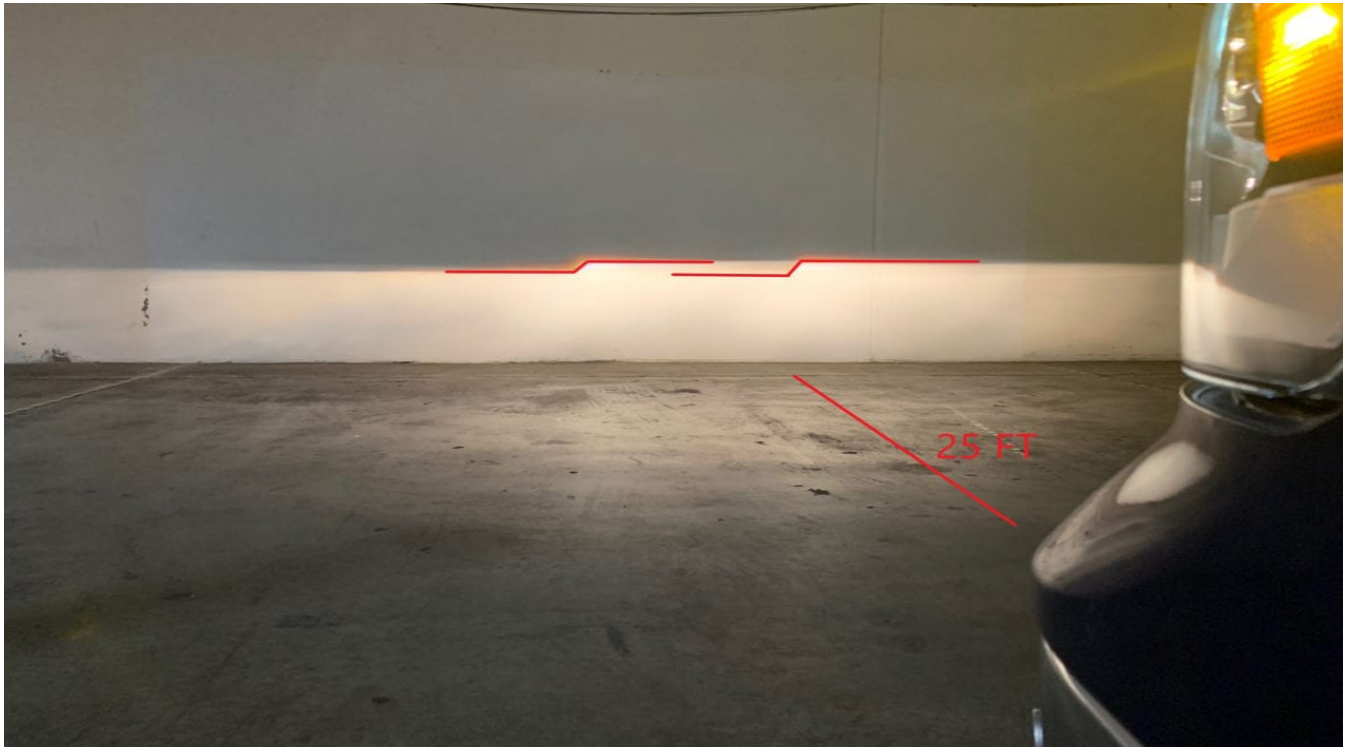
Step 11

Mount and secure headlights to vehicle and test all functions.



Step 12

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



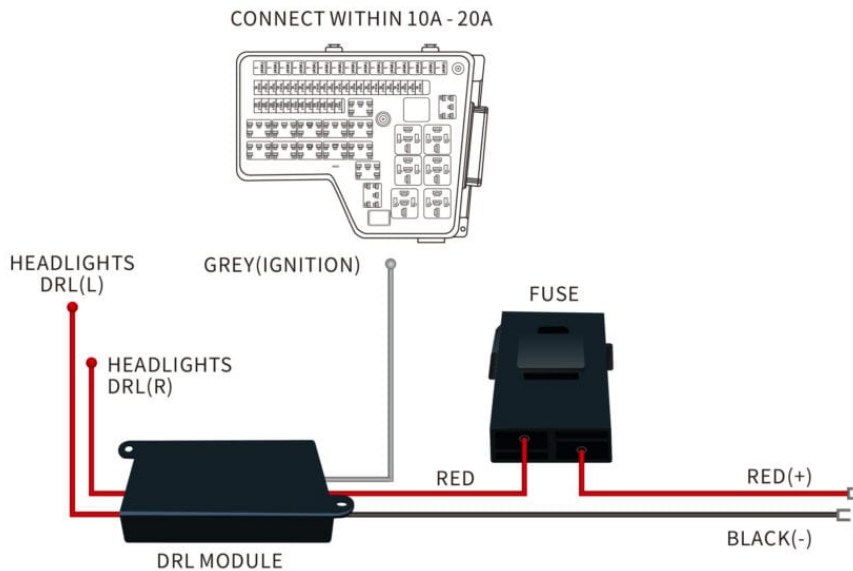


Wiring the DRL harness

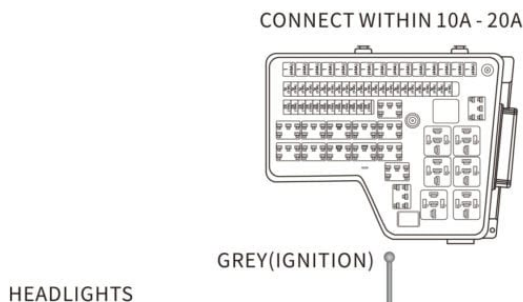
One of the key features of our headlights is to have the ability to run the DRL strips in the day without having to activate any of your lighting controls manually. The way to do this is by wiring the harness that is included with your headlights.

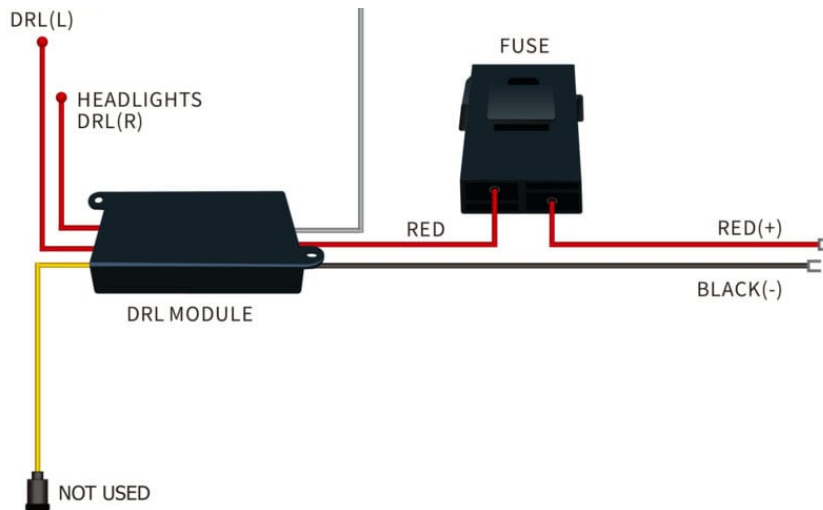
Depending on the headlights feature you get, there will be two types of DRL harness. For headlights with activation light and sequential signal feature, there will be an extra yellow wire from the harness, and that wire is for manufacturer to use as decode purpose and you can ignore it during installation.

DRL WIRING DIAGRAM



DRL WIRING DIAGRAM





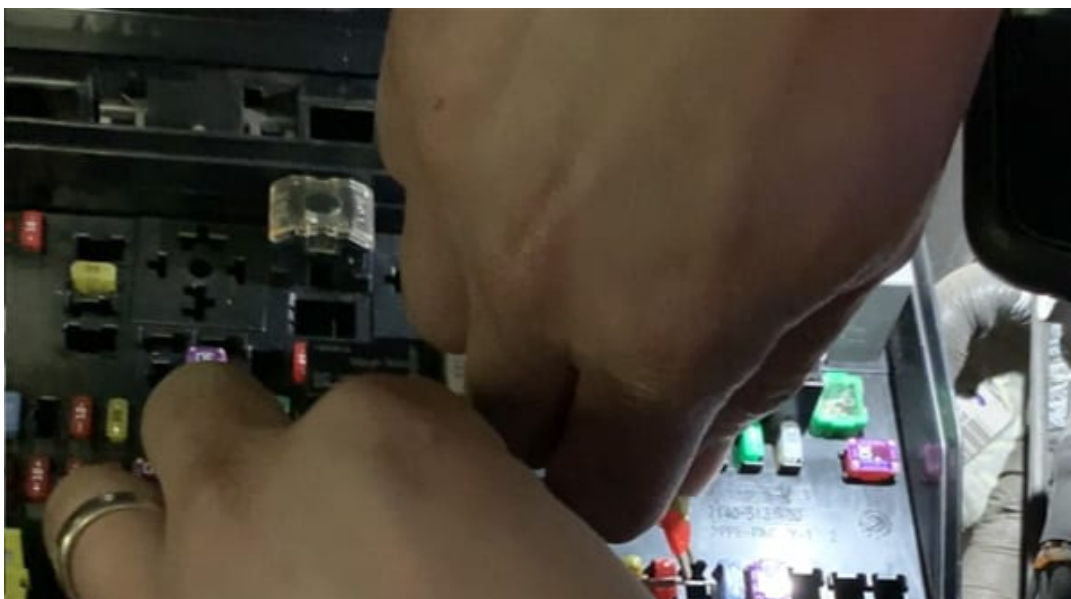
The function of the DRL harness is to allow the DRL with different intensity during daytime and night time. Basically, the DRL harness will supply extra power to the DRL for brighter output during daytime, and when the parking light is on, the DRL will be at reduced intensity. With the optional harness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

Ignition/Engine ON	<ul style="list-style-type: none"> - DRL at High intensity
Parking Light ON	<ul style="list-style-type: none"> - DRL at reduced intensity - amber side marker
Low Beam ON	<ul style="list-style-type: none"> - DRL at reduced Intensity - Amber side marker - Low beam on
High Beam ON	<ul style="list-style-type: none"> - DRL at reduced Intensity - Amber side marker - Low beam on - High beam on
Automatic Function	<ul style="list-style-type: none"> - 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.





2009-2014 Ford F150 – #97

2015-2017 Ford F150 – #97

2018-2019 Ford F150 – #36

2017-2019 Ford Super Duty – #35

2009-2019 Ram – #F66

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