

# **2017-2019 OEM LED Super Duty TRUCK to 2020-2022 OEM LED Super Duty HEADLIGHTS**

## **Installation Instructions**

### **WIRING KIT CONTENTS:**

- (2) Headlight Harnesses
- (1) DRL Fuse Tap Harness (*option B noted below*)
- (1) Optional LED High Beam Bars/PODS (*external*)

**PLEASE NOTE:** The PINK WIRES (one per side) are your high beam trigger wires, should you choose to run an EXTERNAL set of high beams (light bars, light pods – etc.)

**PLEASE NOTE:** There are TWO distinct daytime running light (DRL) options for this kit noted below. Choose **ONE** per your installation and setup preference.

OPTION A or OPTION B.

## **---- DRL OPTION A (*standard auto function*) ----**

Once your front end conversion is completed (*ie. bumper, grille, supports, brackets - etc.*), THIS is the final step/steps to install and set up your new 2020-2022 LED headlights

**NOTE:** *The DRL's with this option utilized WILL NOT BE ON at night time during normal headlight use. They will ONLY be on during day time driving.*

### **STEP 1**

-Plug in the new LED harnesses to the truck side of the vehicle (one harness per side)

### **STEP 2**

-Plug in the new 20-22 LED Headlights

### **STEP 3 (optional)**

-Connect the PINK wires to an external LED high beam (*light bar, light pod - etc.*)

### **-STEP 4**

-Test headlights. The DRL "c-bars" do NOT illuminate until the truck is running and in drive. Please ensure the dashboard DRL selection is ON for proper DRL function.

### **-----PINK WIRE HIGH BEAM USE-----**

The 2020-2022 LED headlights have TWO built in computers each. These will NOT allow the internal high beams to work on a truck that is NOT a 2020+ built vehicle.

In order to have WORKING EXTERNAL high beams you must utilize the 12-18" PINK wire (one per side) on whatever LED light pod or light bar you choose. We have optional ones listed on our website when ordering this kit.

If using these wires DIRECTLY to an LED light pod or light bar, please ensure total power draw PER pink wire is no more than 35watts. If you are using a high power light bar for example you MUST utilize an external relay harness with it. In this case the PINK wire will simply trigger that harness to turn on - NOT power it.

## **-----DRL OPTION B (*all the time on function*) -----**

Once your front end conversion is completed (*ie. bumper, grille, supports, brackets - etc.*), THIS is the final step/steps to install and set up your new 2020-2022 LED headlights

### **STEP 1**

-SNIP the single wire exactly at the WHITE TAG on each side harness. Cover snipped wires with a small piece of electrical tape.

### **STEP 2**

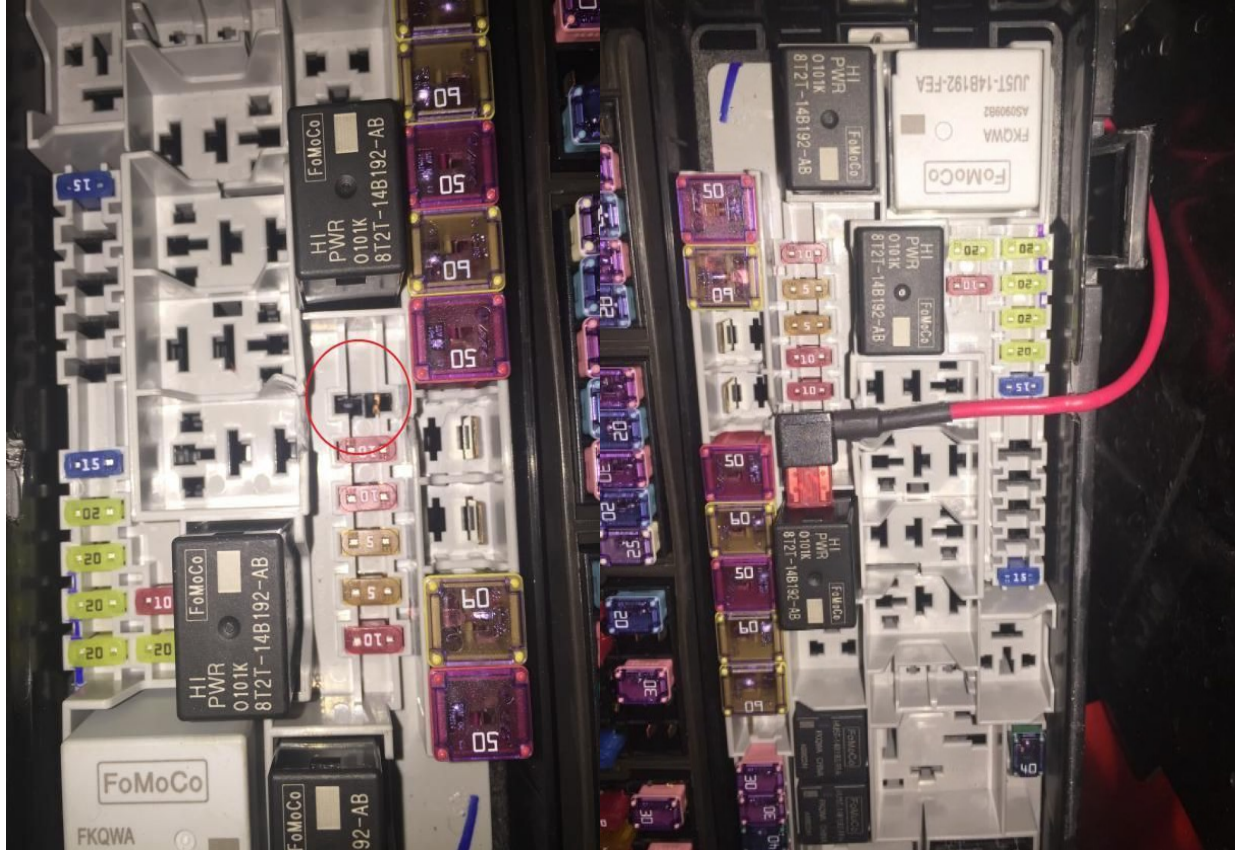
-Plug in the new LED harnesses to the truck side of the vehicle (one harness per side)

### **STEP 3**

-Take out the DRL fuse tap wire harness and plug into the AMP connections coming off each side harness. Running the DRL wire across the core support for driver side connection is required.

### **STEP 4**

-Run DRL harness to the fuse box located on the passenger fender well near the fire wall plug. Connect the fuse tap to FUSE 35. A notch will have to be made for the wire to run out of the fuse box. Make sure fuse tap is inserted as shown in the picture below and exiting to the FENDER side of the box.



### **STEP 5 (optional)**

-Connect the PINK wires to an external LED high beam (*light bar, light pod – etc.*)

### **-STEP 6**

-Test headlights.

#### **-----PINK WIRE HIGH BEAM USE-----**

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**PLEASE EMAIL US for support as and if needed. Please ensure these instructions are read in full and understood PRIOR to installation day.**

**SUPPORT@BLACKFLAMECUSTOMS.com**