

## **2021+ Bronco**

## **LED DRL Installation**

## **Instructions**



**Congratulations on your purchase of a high quality PUTCO product. Should you need any application or technical assistance, feel free to call us at: 1-800-247-3974**

**Monday-Friday 8:00 a.m. - 5:00 p.m. (Central Standard Time)**

**Contact your PUTCO dealer for other quality accessories.**

**Please read all instructions before installation and verify that all parts are included.**

### **Tools Needed:**

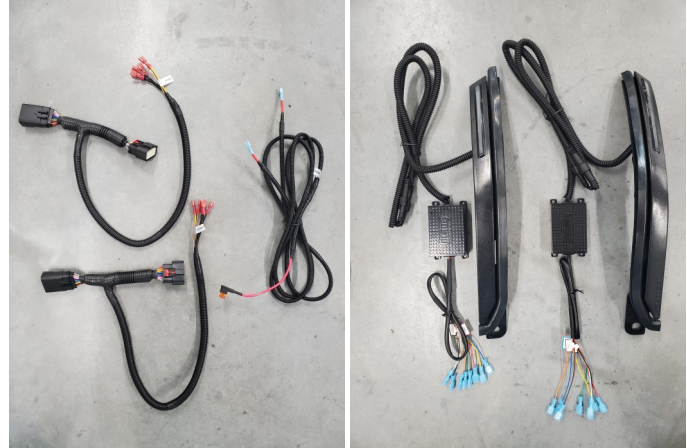
- 8mm socket
- 10mm socket
- ratchet
- Torx T30 driver
- Torx T25 driver
- Flat head screwdriver or trim removal tool

### **Optional:**

- Heat shrink or electrical tape

### Box Contents: QTY

- |                      |   |
|----------------------|---|
| – Left LED light     | 1 |
| – Right LED light    | 1 |
| – Right wire harness | 1 |
| – Left wire harness  | 1 |
| – Fuse wire harness  | 1 |
| – 3M tape            | 4 |
| – M6 x 20mm bolt     | 6 |
| – M6 washer          | 6 |
| – Zip-ties– 8"       | 6 |



## Installation Instructions

1. Open the hood. Remove the nine plastic clips using a clip removal tool or flat head screwdriver. Remove the black plastic shroud.

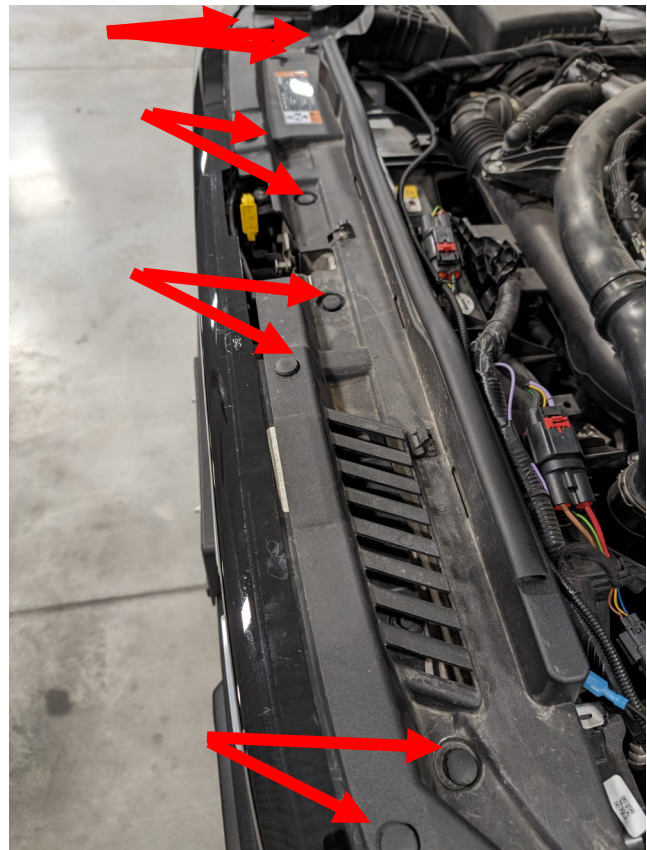


Figure 1.

**2.** Remove the front fenders by lifting on the latches shown in figure 2. There are 5 tabs on each fender and once they are all turned the fender will come off with some force.



Figure 2.

**3.** To remove the grill, the bottom lip piece must be removed. Pull gently on the side of the piece as seen in figure 3.



Figure 3.

**4.** To remove the front grill, use a 10mm socket, remove the four bolts as seen in figure 4.

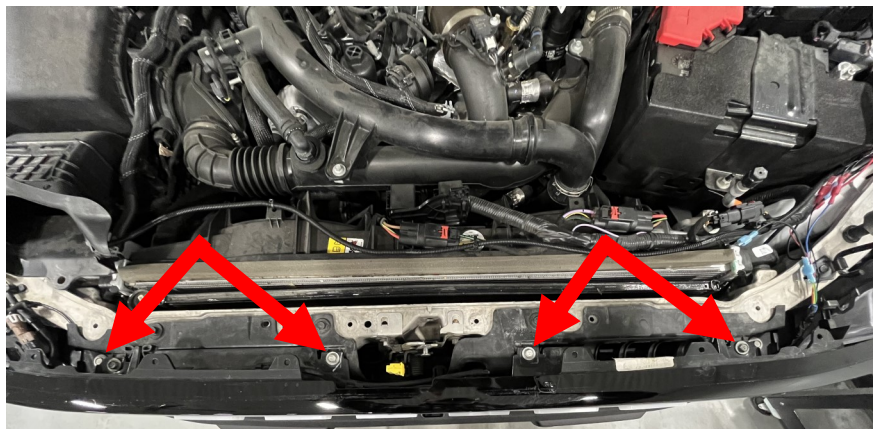


Figure 4.

**5.** If equipped with a front camera, unplug the camera connections shown in figure 5.



Figure 5.

**6.** Gently pull outwards on one of the sides of the grill and remove. See figure 6 for more detail.



Figure 6.

**7.** Once the grill is removed, you can remove the left and right headlights by removing three screws using a 10mm socket for the top two and an 8mm socket for the front screw. See figure 7 for more detail.

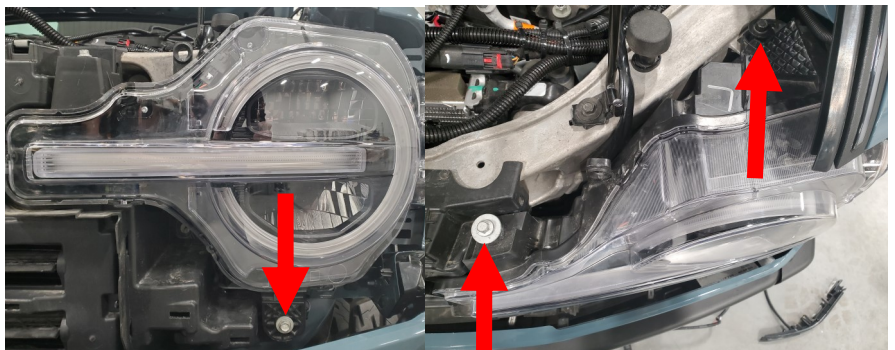


Figure 7.

**8.** Disconnect the headlight from the OEM wire harness. Insert one of the 529034 “T” harnesses into the headlight assembly. Insert the other end into the OEM harness. Fish the end with the spade connectors up and behind the engine bay frame. Reattach the headlight. Repeat on the other headlight. See figure 8 for more detail.

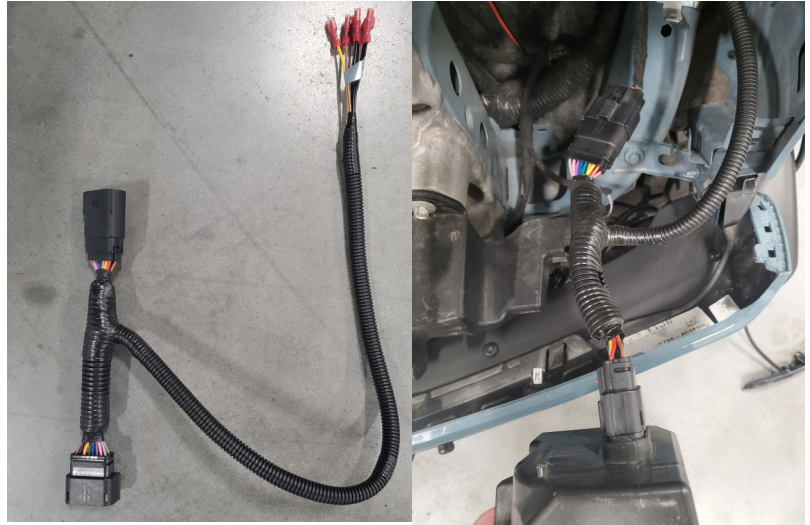


Figure 8.

**9.** Reattach the front grill. See figure 9 for more detail.



Figure 9.

**10.** Reattach the front grill lip. See figure 10 for more detail.



Figure 10.

**11.** Remove the OEM limb risers using a T25 driver to remove the T25 bolt to the rear. Use a 10mm socket to remove two nuts holding the front of the limb riser to the sheet metal. See figure 11 for more detail. Repeat on the right

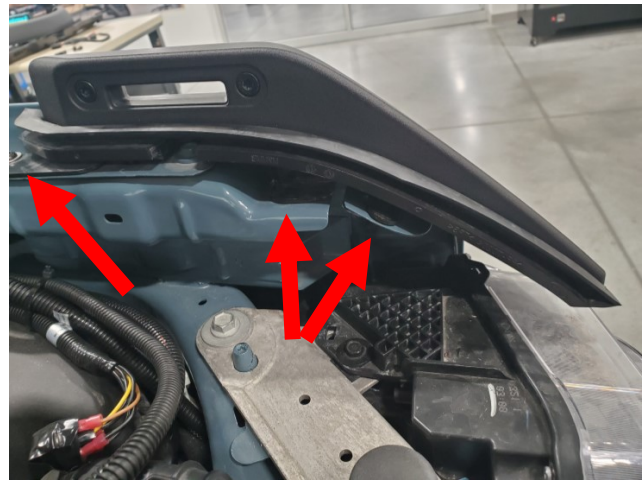


Figure 11.

**12.** Insert the Putco LED DRL limb riser and attach the three M6 bolts. Repeat on the right limb riser. See figure 12 for more detail.

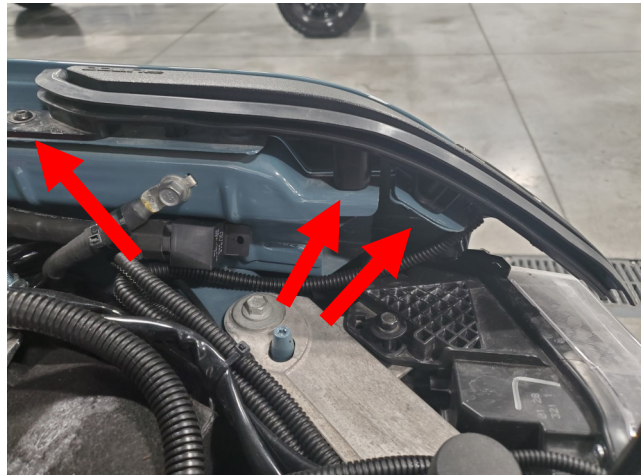


Figure 12.

**13.** Remove the engine fuse block cover located on the driver side of the engine bay. Remove the 10 amp fuse from slot #25. See figure 13 for more detail.

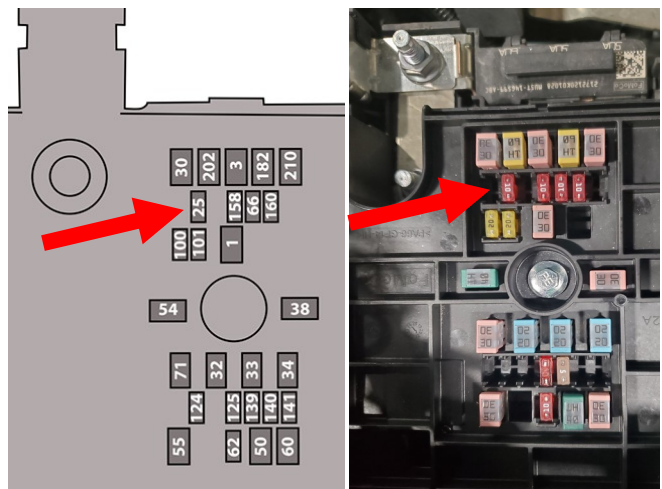


Figure 13.

**11.** Insert the 10 amp fuse you removed from slot 25 into the add a fuse connector located on the 529034A harness. See figure 14 for more detail.



Figure 14.

**12.** Insert the add-a-fuse connector into slot 25. See figure 15 for more detail.

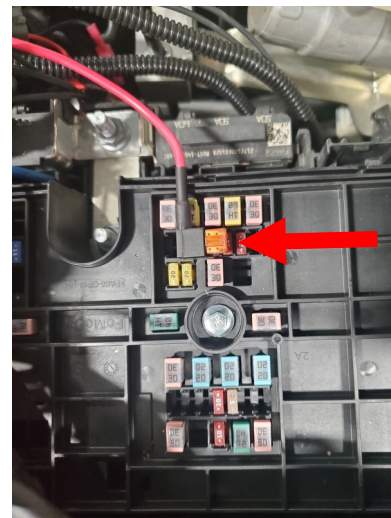


Figure 15.

**13.** Reattach the fuse block cover. See figure 16 for more detail.



Figure 16.

**11.** Route the longer lead from the 529034 harness over to the passenger side of the engine bay above the passenger headlight. Apply a zip tie every 12-16 inches to the factory wire bundle. Near the end of the run route underneath the air intake. See figure 14 for more detail.

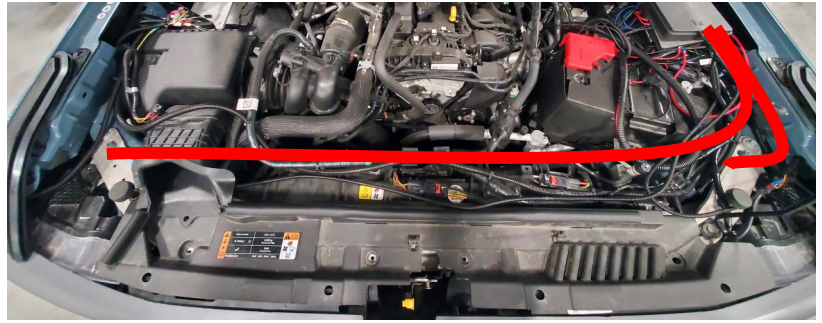


Figure 14.

**12.** Connect the spade connectors from the harnesses to the LED light. See the following page for wire guide and function. See figure 15 for more detail.

**OPTIONAL:** If you won't be changing any of the start-up, turn or color options, wrapping the connections in electrical tape or heat shrink protects the connectors and increases water resistance.

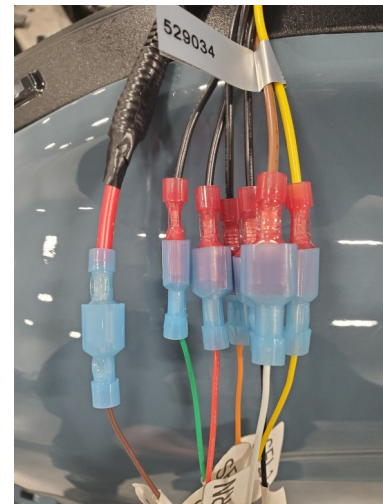


Figure 15.

**12.** Bundle and zip tie any extra wire and attach the driver box to the engine bay sheet metal below and behind the DRL. Repeat for the other side. See figure 16 for more detail.

**13.** Test the functionality of the LED DRL. LED should be on with DRL's and flash with turn signals.

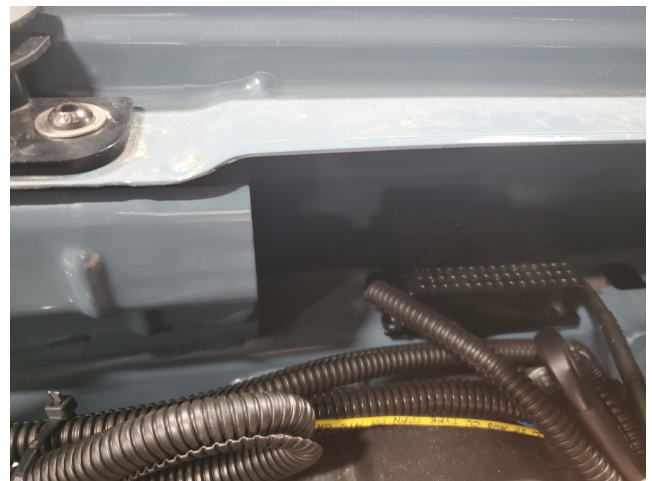


Figure 16.

# Bronco DRL Wiring Guide

529034	LED	FUNCTION	BEHAVIOR
BLACK	BLACK	GROUND	Always plugged in.
BLACK	ORANGE	SEL 1	Gradual start up when connected. Instant on when disconnected.
BLACK	RED	SEL 2	Amber when connected. White when disconnected.
BLACK	GREEN	SEL 3	Breathing start up when connected. Sequential start up when disconnected.
BLACK	BLUE	SEL 4	Tap ground to change. Changes turn signal pattern. 6 patterns in total.
YELLOW	YELLOW	TURN	Always plugged in.
RED	WHITE	PARK	Always plugged in.
<b>529034A</b>			
RED	BROWN	DRL	Always plugged in.