RED BLADE
PUTCO™
LED TAILGATE LIGHT BAR

WIRING INSTRUCTIONS

PATENTED & ADDITIONAL
PATENTS PENDING

2018-2019+ • NEW FORD WIRE MOD

- *New technologically advanced logic box solves and eliminates all codes from trailering, backup assist, BLIS (Blind Spot Information System) and all currently known interference from the OEM systems.*
- *Guaranteed to function correctly on all 2015-Current Ford F150 and 2017-Current Ford Super-Duty Trucks.*
- *New logic box is 30% larger due to new C-code and new electronic board layout.*
- *High Power COB LEDs.*

Tools Needed

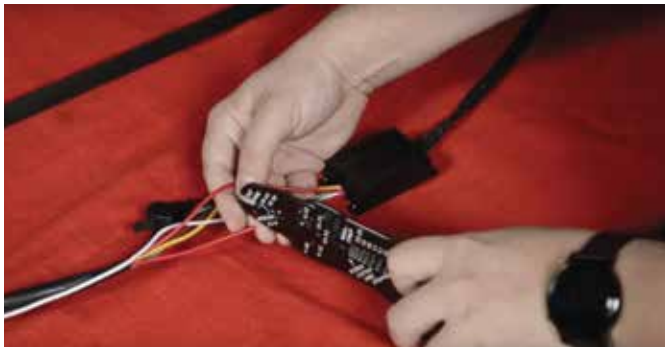
NOTE: Specific tools will vary for based on vehicle make and model
- Ratchet
- Phillips Screw Drivers
- Torx Bits T10-T25
- Electrical Tape

APPLICATION	PART #
60 INCH BLADE	92010-60
48 INCH BLADE	92010-48

Step 1

Cut the red wire

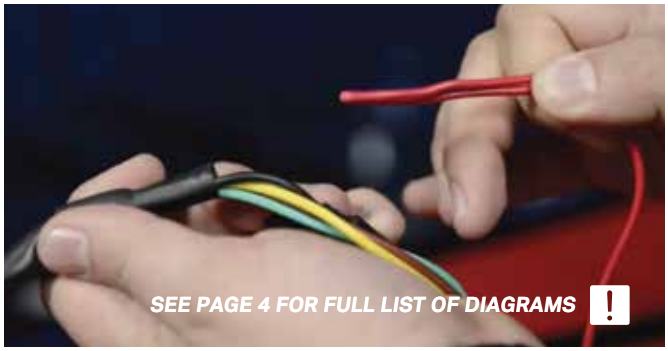
• Cut the red wire with heat shrink sleeve 3 inches from the driver box



Step 2

Remove the red wire

•Now pull the red wire from the wiring harness sleeve



Step 3

Remove bolts from tail lamp

• Use your socket wrench to remove the 2 bolts from each tail lamp

Step 4

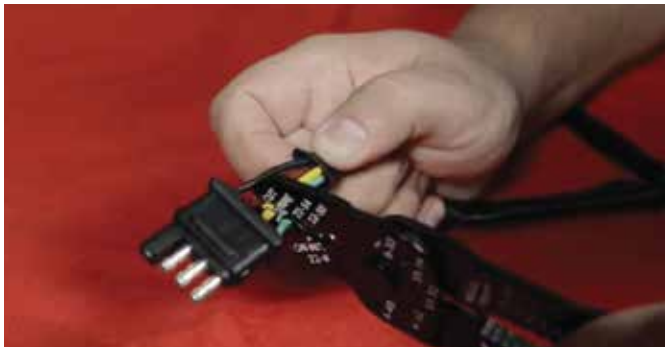
Remove tail lamp

• Carefully pull tail lamps away from vehicle

Step 5

Detach electrical plug from wiring harness

• Use your electrical pliers to detach the 4 pin plug from the wiring harness



Step 6

Feed the YELLOW , BROWN , WHITE wires

• Feed the yellow, brown, and white wire the back of the tail light housing

Step 7

Feed the GREEN wire to passenger side tail lamp

• Feed the green wire behind the bumper to the passenger side tail lamp

Step 8

Connect wires using supplied scotch-locks

• Connect all wires to their respective tail lamp wires using, cover all connections with electrical tape.

Step 9

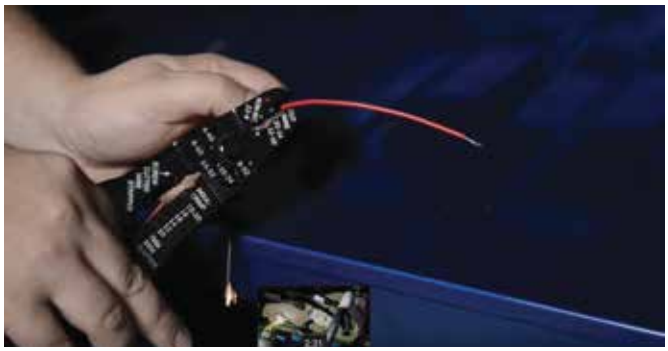
Remove tailgate

• *Removing the tailgate will provide easier access light bar mounting*

Step 10

Cut a 6 inch bridge wire

• *If extra wire is availble cut 6 inches of wire to use as a bridge wire*



Step 11

Install bridge wire on driver side dash

• *SEE PAGE 3 FOR SPECIFIC INSTRUCTIONS BASED ON YOUR VEHICLE*

Step 12

Feed RED and BLACK wire through bumper

• *Remove 7 pin harness and feed red and black wires through bumper*

Step 13

CONNECT RED TO ORANGE, BLACK TO WHITE

• *Connect red to orange and black ground to white wires using scotch-locks*

Step 14

Wiring portion of installation is complete.

• *Finish mounting light bar to vehicle*

Thank you for purchasing a PUTCO® product. For more information and a more in-depth view of this product installation please visit ***https://youtu.be/eXvXdHb7RIA*** *.*

VEHICLE SPECIFIC WIRING OPTIONS

OPTION 1 *(For trucks with towing packages and without trailer detection)*

Step 1

Plug the 4 pin connector on tailgate light bar into the 4 pin trailer connector on truck.

Step 2

Wire reverse light (white wire) into the reverse light on 7 pin trailer connector (Middle Pin) or into factory reverse light (White Light) using a supplied Scotchlok.

OPTION 2 *(For trucks without LED taillights)*

This option is recommended for Dodge trucks, some Dodge trailer plug flasher do not flash at the same rate as the flasher in the taillights. If your Dodge truck has LED taillights refer to Wiring Option 3

Step 1

Cut trailer plug connector off of tailgate light bar. Note: If you do not want to cut off the plug and want to wire the bar in this way, an additional harness can be purchased through Putco, Part# 8726F, to eliminate this step.

Step 2

Wire the white, brown, yellow, and green wire into taillights wiring using supplied Scotchloks. Refer to Figure 3.

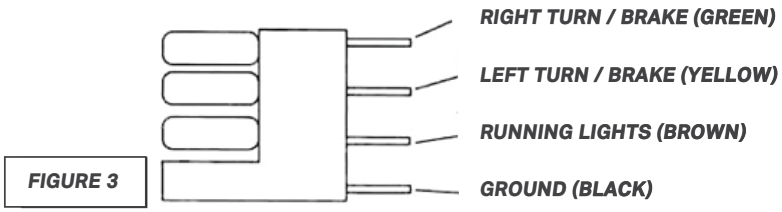


FIGURE 3

Step 3

Wire reverse light (white wire) into the reverse light on 7 pin trailer connector (Middle Pin) or into factory reverse light in taillight (White Light) using a supplied Scotchlok.

OPTION 3 *(For trucks with LED taillights)*

Follow Steps 1-3 in Wiring Option 2

Step 1

Cut red wire on loose heat shrink side about 2 inches from the black driver box. Move heat shrink up over the short end of wire and use a heat gun to shrink it. Press the end of the heat shrink sticking off of wire together when still warm to seal it up. This is to keep moisture out of the wire. Pull out red wire for black PVC rap.

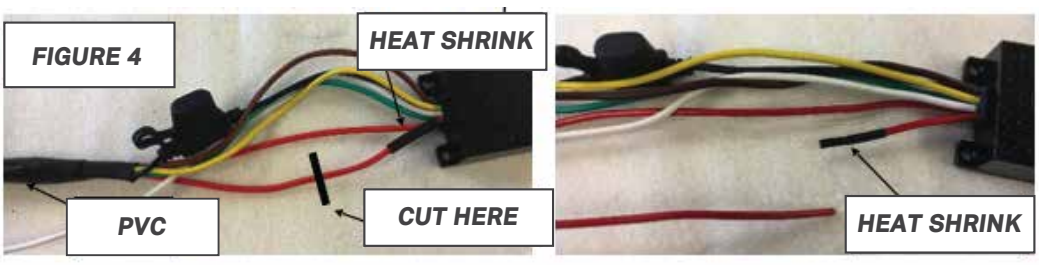


FIGURE 4

Step 2

Wire +12V power wire (RED wire pulled out of PVC) into the +12V power on 7 pin trailer connector (Labeled with +) using a supplied Scotchlok. If wire is too big for Scotchlok (Bigger than 14ga), wire may need to be spliced in. Be sure to cover the splice with electrical tape or heat shrink (not included).(Some trucks do not provide a constant +12V unless a trailer is plugged into the 7 pin trailer connector. If this is the case, a separate 16GA or bigger wire may need to be ran from the positive on the battery, additional Instructions for the 2015+ F150 and 2017+ Super Duty have been added to account for this issue below)

Note: For both Wiring Options 2 and 3 the wires can also be wired into the 7 Pin trailer connecter wires. This is not recommended for trucks with trailer detection.

ADDITIONAL WIRING FOR 2015+ F150 AND 2017+ SUPER DUTY ONLY

This step is to get a constant +12V back to the 7 pin trailer connector because these trucks disengage the +12V power when the 7 pin trailer connector is not in use. This is to only be done if the +12V red wire on the Red Blade™ light bar is being used. See option 3 step 3.

Step 1

Cut a 6" piece of 16GA or bigger wire (A 6" piece may be cut off of red or white wire on tailgate light bar if the full length of those wires are not needed) for F150 and 12 GA or bigger for Super Duty (This is not supplied with kit).

Step 2

Under dash on drivers side. Find trailer tow module. Locate both Orange wire (Pin 3 on C2498C Connector) and Green-Red / Brown-Red wire (On F150) or Red wire (on Super Duty) (Pin 1 on C2498A Connector). Refer to Figure 5

FIGURE 5

Step 3

Attach 6" wire between ORANGE wire (pin 3 on C2498C connector) and GREEN-RED/BROWN-RED wire (on F150) or RED wire (on Super Duty) (Pin 1 on C2498A connector) using Scotch-locks (for F150 supplied scotch-locks can be used, Super Duty are not supplied, recommend using 3M 902). This will activate a continuous +12V to the +12V power pin on the 7 pin trailer connector. Refer to figure 6.

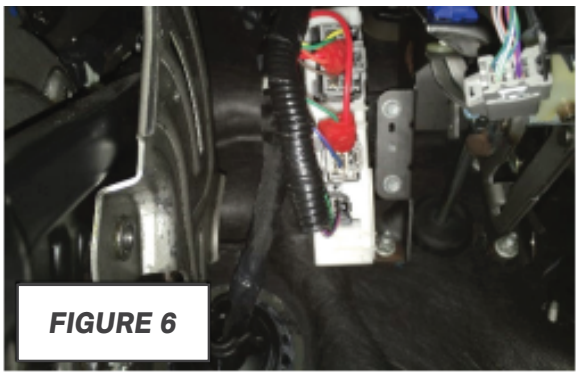


FIGURE 6

WIRING DIAGRAM
STEP 2 CONTINUED

TABLE 1 2015-2018 F-150

SUGGESTED WIRE COLORS FOR LED TAIL LIGHTS		
Factory Light	**Factory Wire Color**	**Light Bar Wire Color**
Driver Turn	Green with Blue Tracer	Yellow
Driver Running Light	Blue with Gray Tracer	Brown
Passenger Turn	Blue with Orange Tracer	Green
Ground (From 7-pin trailer plug)	White wire in 7-pin	Black
Driver Reverse	Green with Brown Tracer	White
Power (From 7-pin trailer plug)	Orange wire in 7-pin	Red (From Tailgate Light Bar)

SUGGESTED WIRE COLORS FOR HALOGEN TAIL LIGHTS		
Factory Light	**Factory Wire Color**	**Light Bar Wire Color**
Driver Turn	Gray with Orange Tracer	Yellow
Driver Running Light	Blue with Gray Tracer	Brown
Passenger Turn	Green with Orange Tracer	Green
Ground (From 7-pin trailer plug)	White wire in 7-pin	Black
Driver Reverse	Green with Brown Tracer	White
Power (From 7-pin trailer plug)	Orange wire in 7-pin	Red (From Tailgate Light Bar)

TABLE 2 2017-2018 SUPER DUTY

SUGGESTED WIRE COLORS FOR LED TAIL LIGHTS		
Factory Light	**Factory Wire Color**	**Light Bar Wire Color**
Driver Turn	Green with Blue Tracer	Yellow
Driver Running Light	Blue with Gray Tracer	Brown
Passenger Turn	Blue with Orange Tracer	Green
Ground (From 7-pin trailer plug)	White wire in 7-pin	Black
Driver Reverse	Green with Brown Tracer	White
Power (From 7-pin trailer plug)	Orange wire in 7-pin	Red (From Tailgate Light Bar)

SUGGESTED WIRE COLORS FOR HALOGEN TAIL LIGHTS		
Factory Light	**Factory Wire Color**	**Light Bar Wire Color**
Driver Turn	Gray with Orange Tracer	Yellow
Driver Running Light	Blue with Gray Tracer	Brown
Passenger Turn	Green with Orange Tracer	Green
Ground (From 7-pin trailer plug)	White wire in 7-pin	Black
Driver Reverse	Green with Brown Tracer	White
Power (From 7-pin trailer plug)	Orange wire in 7-pin	Red (From Tailgate Light Bar)