

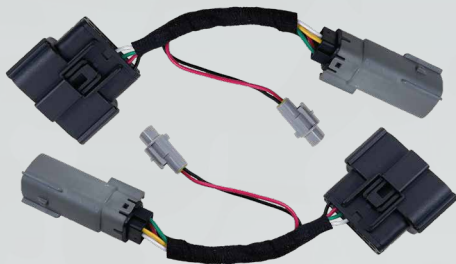
# 2015-2020 FORD F150 XB LED TAIL LIGHTS INSTALL GUIDE

**WARNING:** By reading this document, you agree it is only to be used as an educational guide. Morimoto Lighting nor its dealers make guarantees on any finished results, nor are they to be held responsible for any damage, misuse, or personal injuries. If you are unable to clearly understand and adapt the information below, professional installation is recommended.

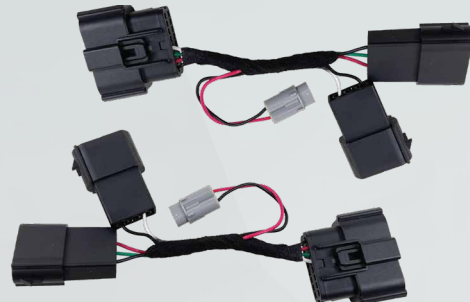
## PACKAGE CONTENTS



**2X TAIL LIGHT ASSEMBLIES**



**2 X 2018-20 ADAPTERS**



**2 X 2015-17 ADAPTERS**

**IMPORTANT:** These tail lights will work properly in unison with headlights from Morimoto but otherwise if your vehicle is equipped with anything but OEM turn signals (full assemblies, LED bulbs, or otherwise) in the headlights or elsewhere: You may experience a hyper flash and/or problem with the turn signal on these tail lights. This is not a defect in the tail light, and is caused by un-matched impedance with your original vehicle settings.

# 2015 - 2020 FORD F150



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## REQUIRED TOOLS

- |              |  |
|--------------|--|
| - RATCHET    | - T20 TORX BIT                               |
| - 7MM SOCKET | - FLAT HEAD SCREWDRIVER OR TRIM REMOVAL TOOL |
| - 8MM SOCKET | - PHILIPS HEAD SCREWDRIVER                   |

# OEM TAIL LIGHT IDENTIFIER



2018-20 OEM LED  
(PAGE 4)



2015-17 OEM LED  
2015-20 Raptor  
(PAGE 11)



2018-20 INCANDESCENT  
(PAGE 8)



2015-17 INCANDESCENT  
(PAGE 15)



2015-20 OEM LED  
WITHOUT BLIS  
(PAGE 18)

## TERMINOLOGY

### BLIS - BLIND SPOT INFORMATION SYSTEM

-IF YOU ARE UNSURE YOUR TRUCK HAS BLIS MODULES IN THE TAIL LIGHTS, SIMPLY CHECK THE SIDE OF THE TAIL LIGHT FOR THIS MARKING . . . . . OR REFER TO THE PICTURES ABOVE.



# INSTALLATION PROCESS: 2018-20 OEM LED (EXCLUDES RAPTOR MODEL)



2018-20 OEM LED

1. Open your tailgate, remove the two (2) 8mm screws holding in the tail light (IMAGE 1). Pull the tail light out away from the truck to release it (IMAGE 2).



IMAGE 1

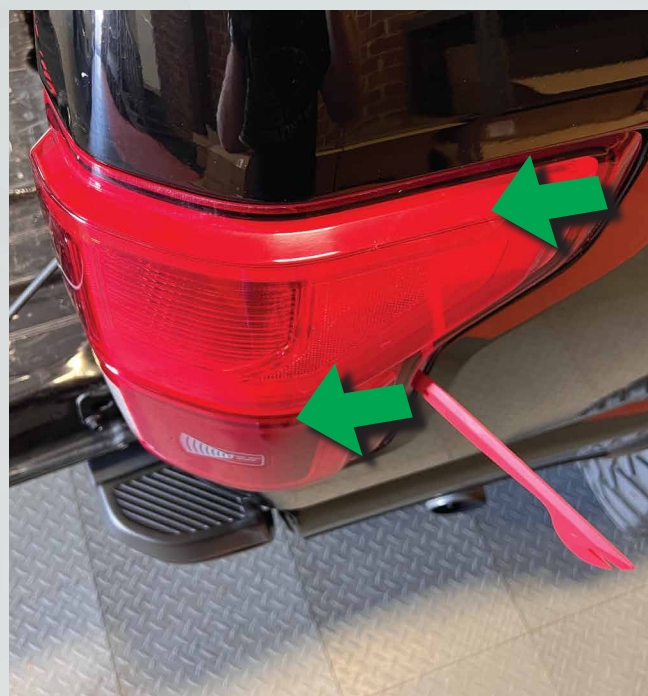


IMAGE 2

2. Disconnect the OEM connector (IMAGE 3) by pressing the release tab (#1), then slide the connector off the tail light (#2). Remove the four (4) 7mm screws holding the BLIS heatsink (IMAGE 4) and pull the heatsink away from the tail light housing to expose the BLIS module.

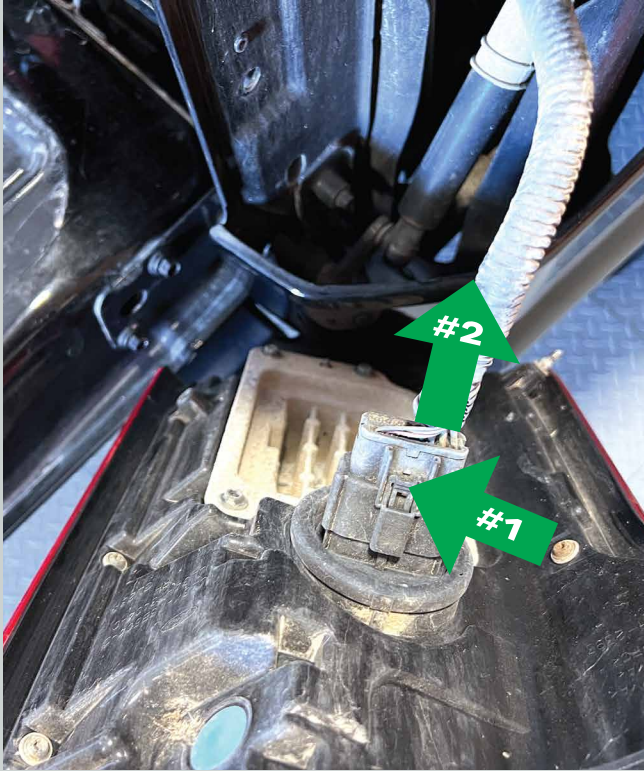


IMAGE 3

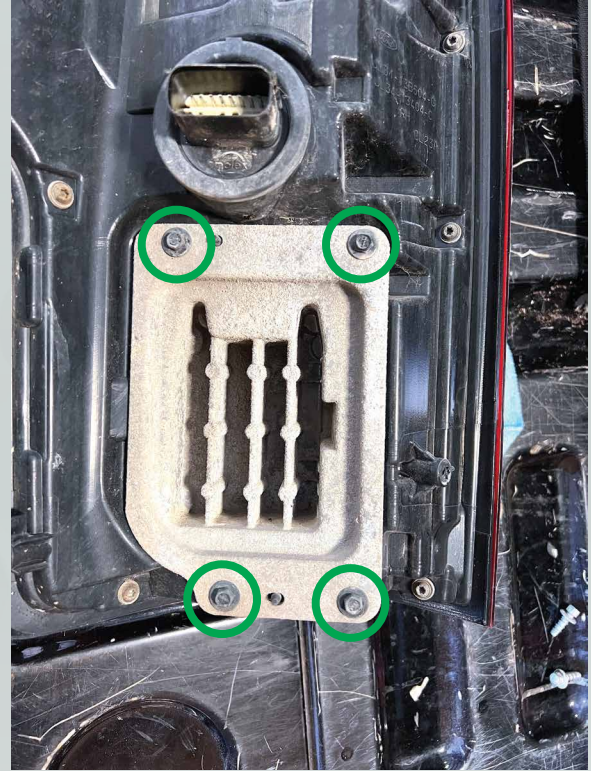


IMAGE 4

3. Remove the two (2) T20 Torx bolts holding the BLIS module (IMAGE 5). Disconnect the BLIS module (IMAGE 6) by pressing the release clip (#1) and sliding the connector off (#2). Set your factory tail light off to the side.



IMAGE 5

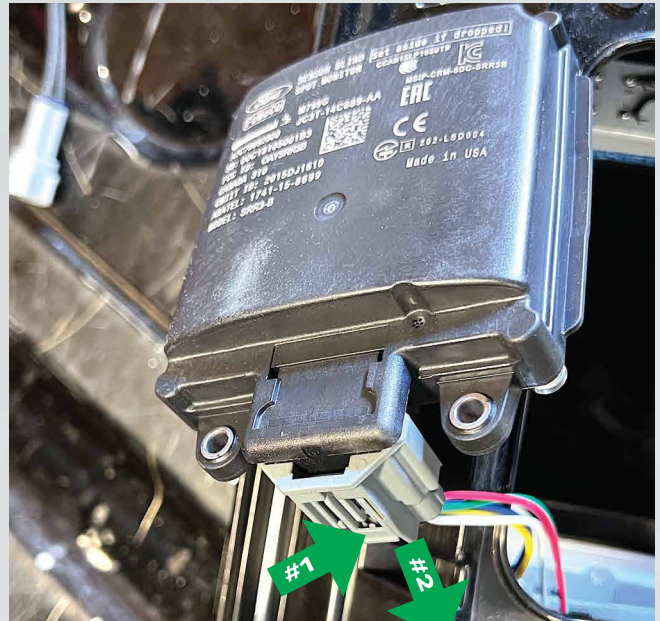


IMAGE 6

## DO NOT USE IMPACT DRIVER TO TIGHTEN BOLTS.

4. Grab your Morimoto tail light, remove the four (4) 7mm screws and remove the heatsink (IMAGE 7). Get your BLIS module, that you removed from your OEM tail light, and plug it in (IMAGE 8).



IMAGE 7



IMAGE 8

5. Install the BLIS module onto the heatsink by aligning the top tabs into the cutouts then install the two (2) T20 Torx bolts (reuse oem bolts) (IMAGE 9). Reinstall the heatsink into the housing, making sure the rubber seal isn't kinked. Hand tighten the four (4) 7mm bolts (IMAGE 10). Remove the two (2) philips head screws and remove the resistor (IMAGE 11).



IMAGE 9

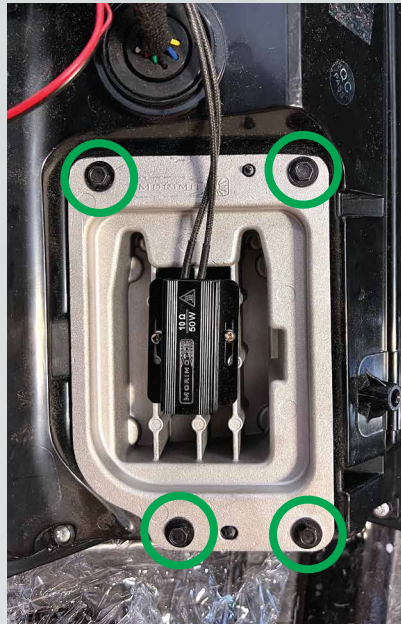


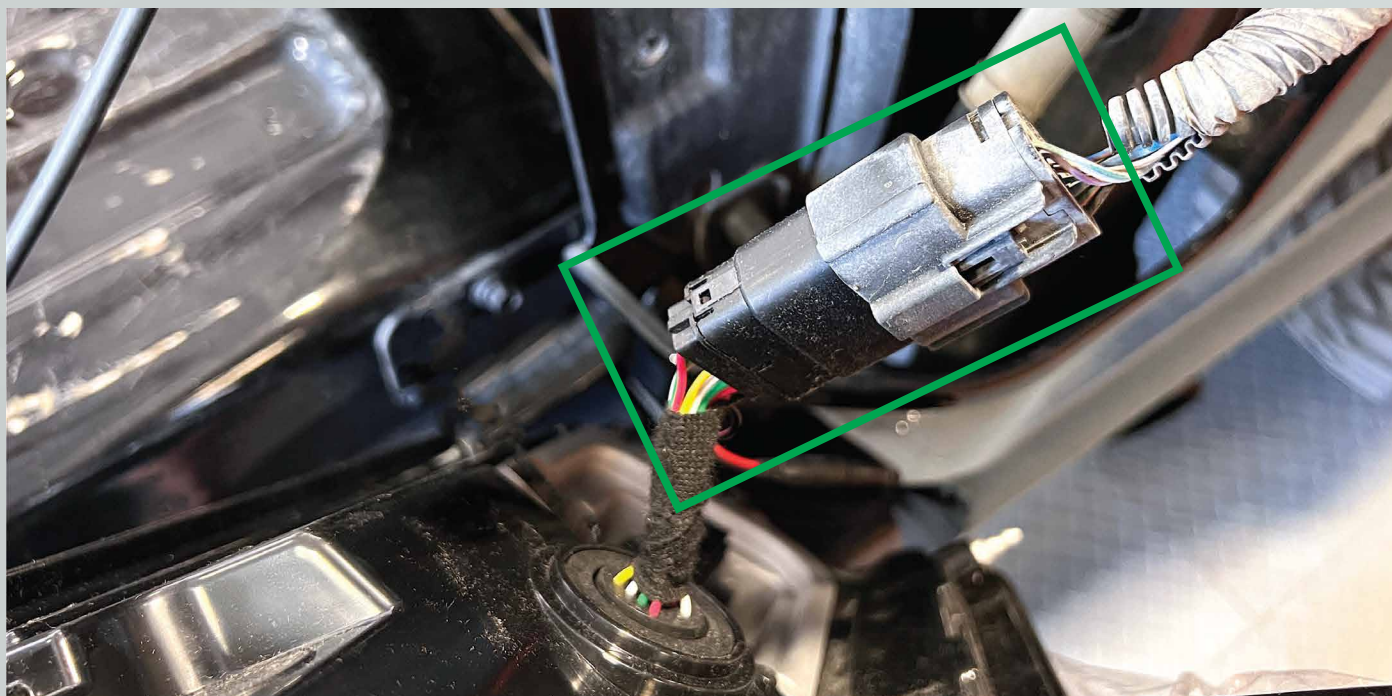
IMAGE 10



IMAGE 11

## DO NOT USE IMPACT DRIVER TO TIGHTEN BOLTS.

6. Connect the tail light harness to the truck harness.



7. Install the tail light onto the truck. Secure it with the two (2) 8mm screws.

8. Repeat steps 1-7 on the other side of the truck.

9. For steps on installing the Boost Bar go to page #21.

10. Turn on the truck and go through all modes to confirm that all tail light functions work.

**ENJOY YOUR NEW MORIMOTO TAIL LIGHTS**

# INSTALLATION PROCESS: 2018-20 INCANDESCENT



2018-20 INCANDESCENT

1. Open your tailgate, remove the two (2) 8mm screws holding in the tail light (IMAGE 1). Pull the tail light out away from the truck to release it (IMAGE 2).

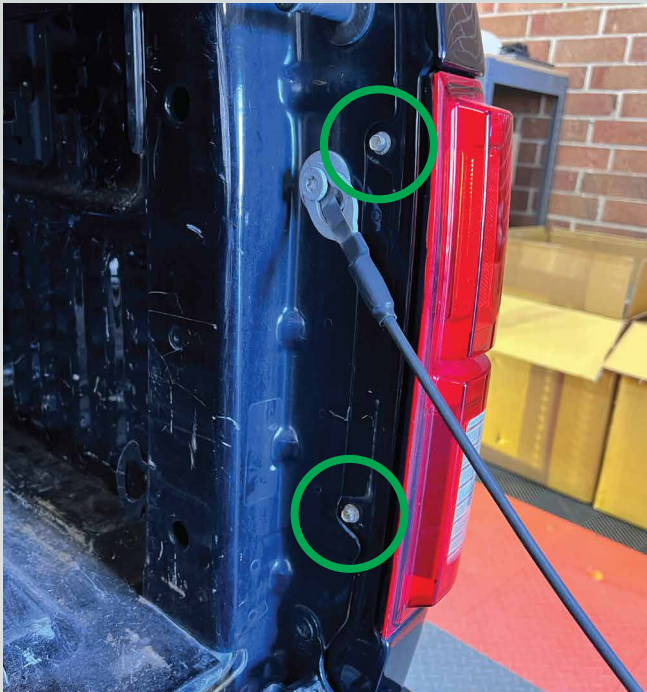


IMAGE 1

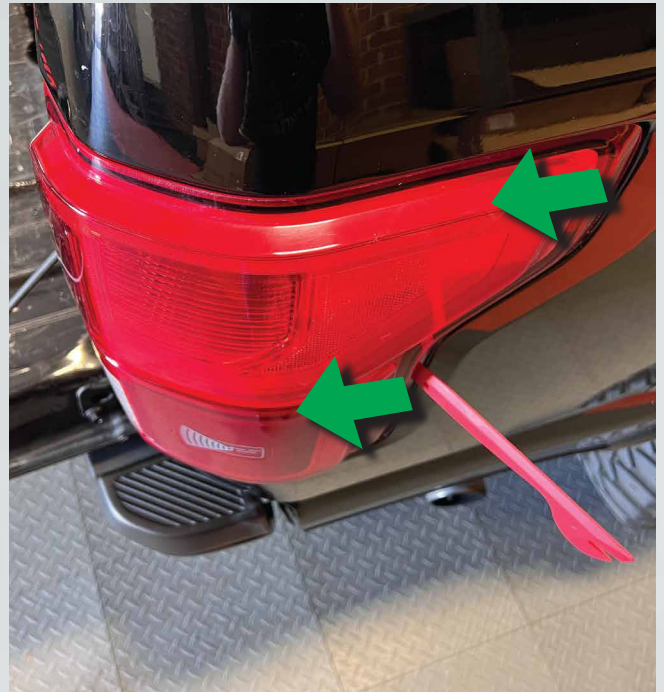
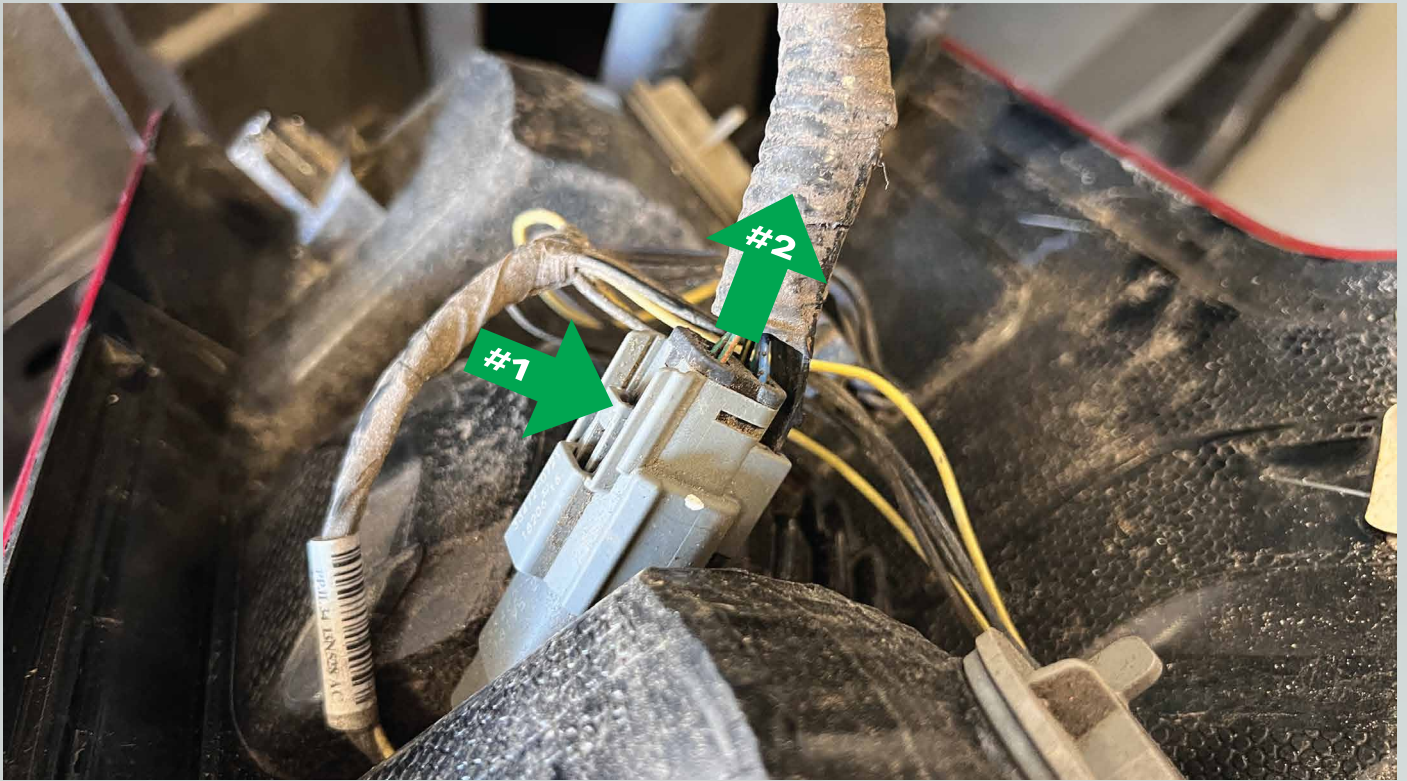


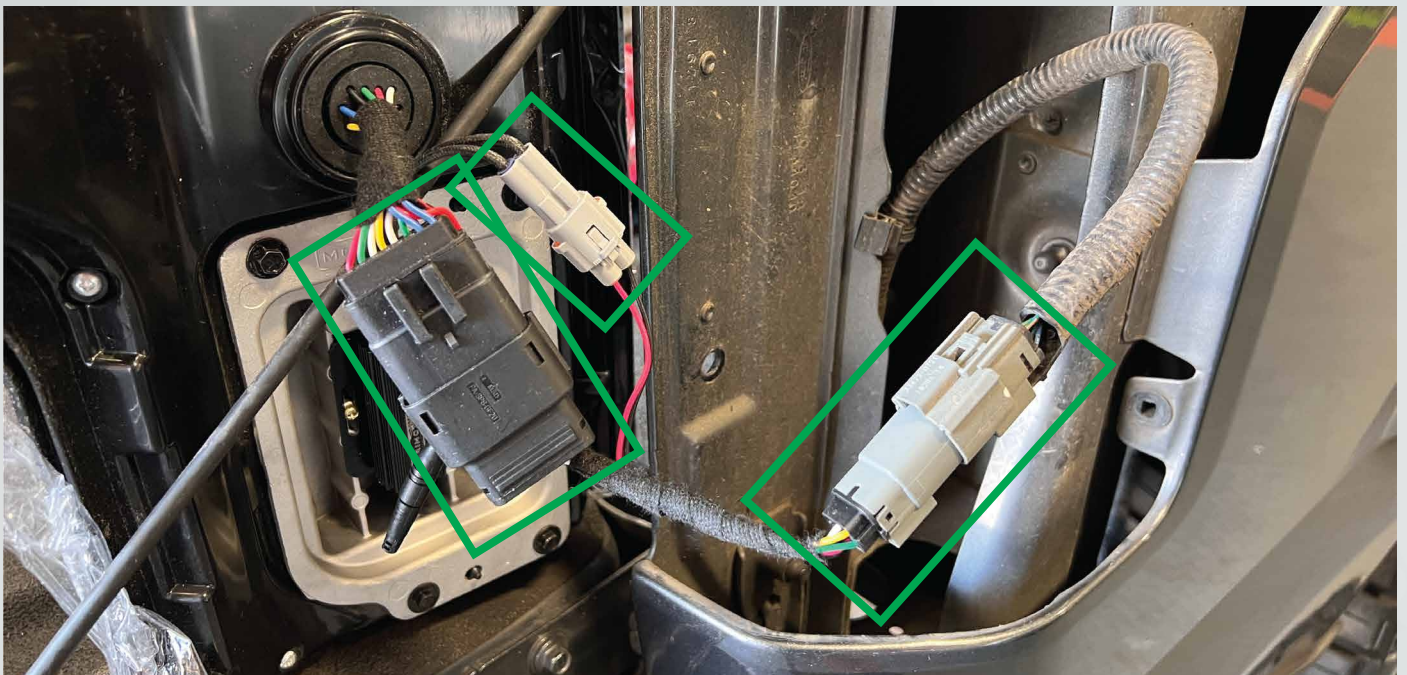
IMAGE 2



2. Disconnect the OEM connector by pressing the release tab (#1), then slide the connector off the tail light (#2).



3. Locate the included 18-20 Adapter and connect it to the multi pin plug coming from the Morimoto tail light. Plug in the resistor to the 18-20 Adapter harness. Connect the other end of the 18-20 Adapter to the truck wiring.



4. Install the tail light onto the truck. Secure it with the two (2) 8mm screws.
5. Repeat steps 1-4 on the other side of the truck.
6. For steps on installing the Boost Bar go to page #21.
7. Turn on the truck and go through all modes to confirm that all tail light functions work.

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# INSTALLATION PROCESS: 2015-17 OEM LED

(INCLUDES 2015-20 RAPTOR MODEL)



15-17 OEM LED

1. Open your tailgate, remove the two (2) 8mm screws holding in the tail light (IMAGE 1). Pull the tail light out away from the truck to release it (IMAGE 2).

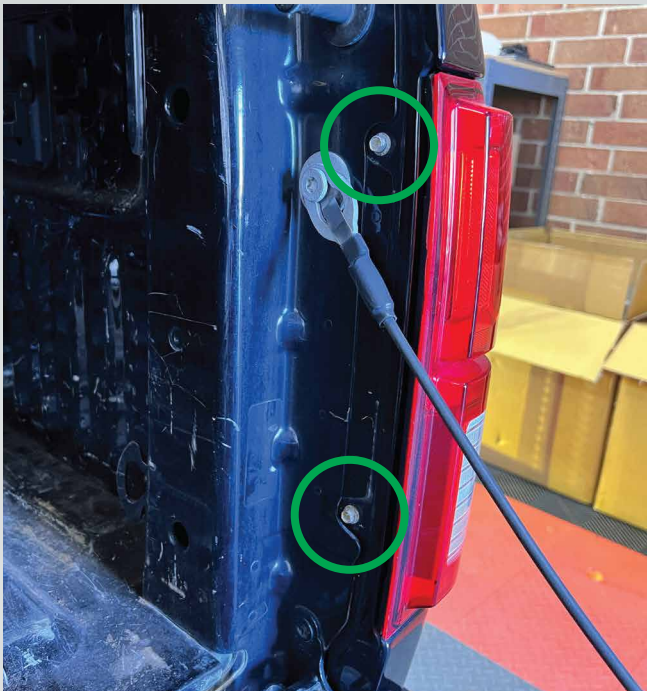


IMAGE 1

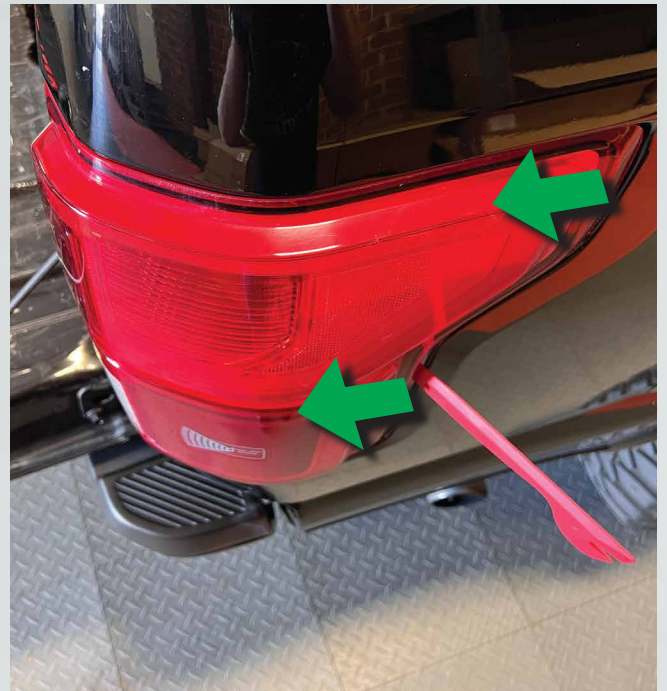


IMAGE 2

2. Disconnect the OEM connector (IMAGE 3) by pressing the release tab (#1), then slide the connector off the tail light (#2). Remove the four (4) 7mm screws holding the BLIS heatsink (IMAGE 4) and pull the heatsink away from the tail light housing to expose the BLIS module.

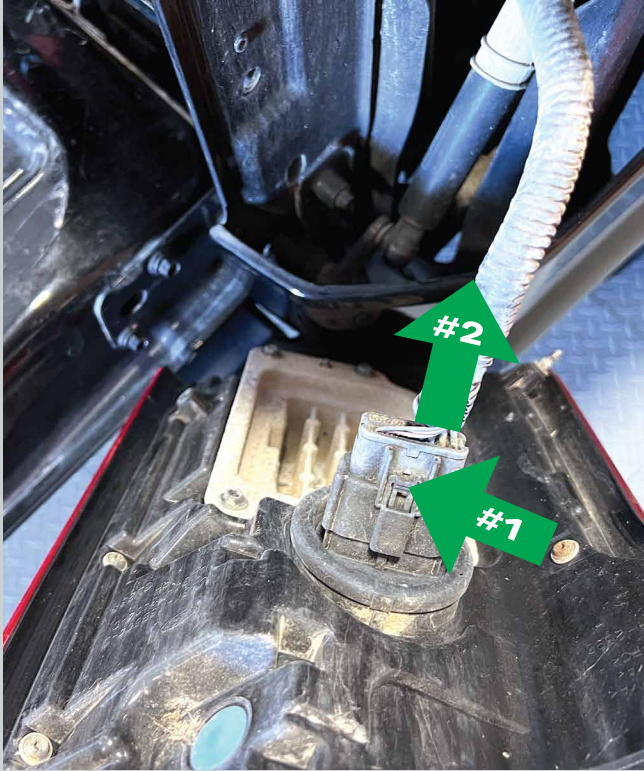


IMAGE 3



IMAGE 4

3. Remove the two (2) T20 Torx bolts holding the BLIS module (IMAGE 5). Disconnect the BLIS module (IMAGE 6) by pressing the release clip (#1) and sliding the connector off (#2). Set your factory tail light off to the side.



IMAGE 5



IMAGE 6

## DO NOT USE IMPACT DRIVER TO TIGHTEN BOLTS.

4. Grab your Morimoto tail light, remove the four (4) 7mm screws and remove the heatsink (IMAGE 7). Get your BLIS module, that you removed from your OEM tail light, and plug it in (IMAGE 8).



IMAGE 7



IMAGE 8

5. Install the BLIS module onto the heatsink by aligning the top tabs into the cutouts then install the two (2) T20 Torx bolts (reuse oem bolts) (IMAGE 9). Reinstall the heatsink into the housing, making sure the rubber seal isn't kinked. Hand tighten the four (4) 7mm bolts (IMAGE 10). Remove the two (2) philips head screws and remove the resistor (IMAGE 11).



IMAGE 9

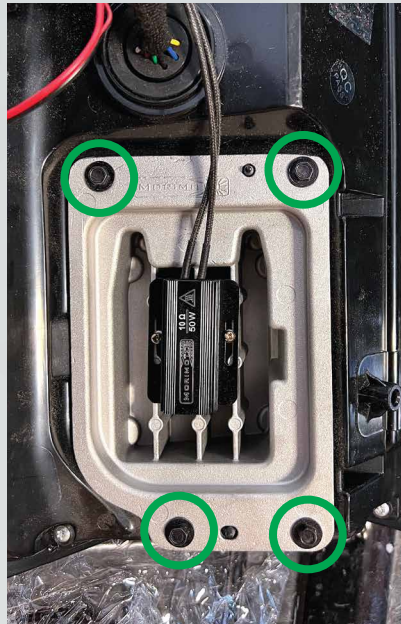


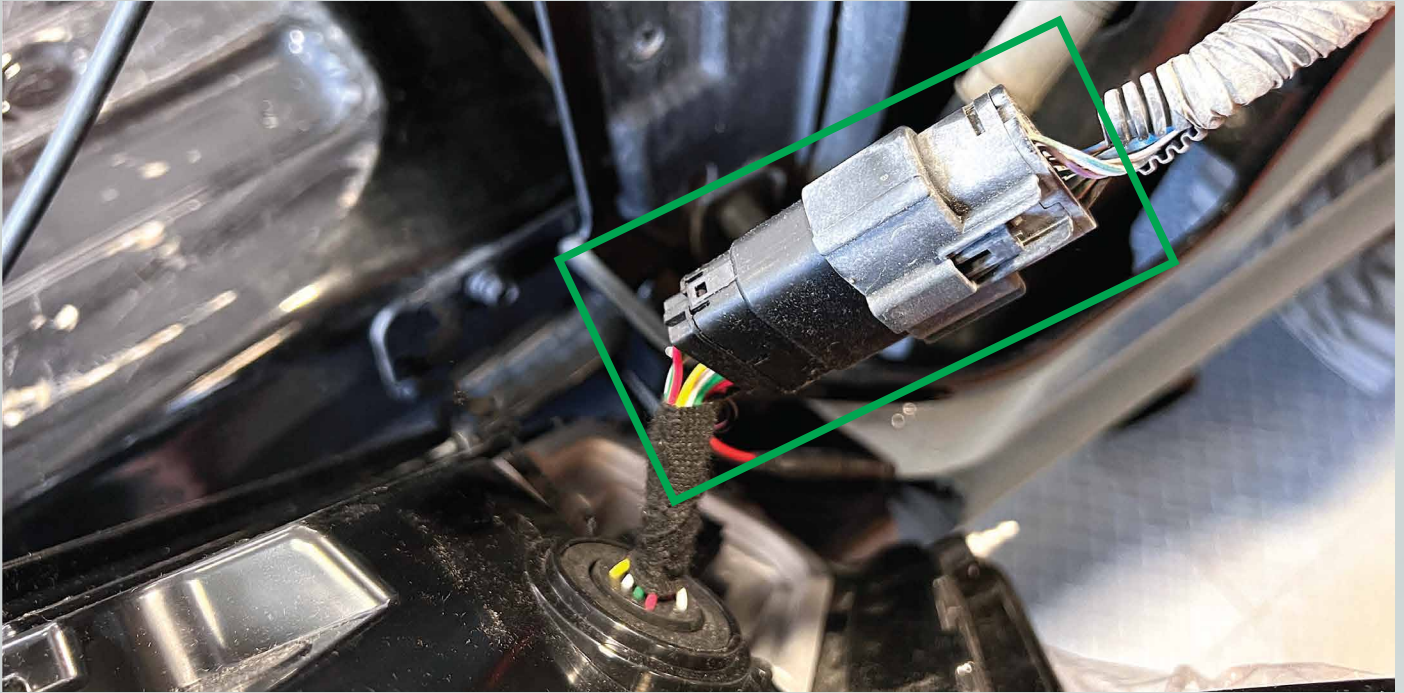
IMAGE 10



IMAGE 11

## DO NOT USE IMPACT DRIVER TO TIGHTEN BOLTS.

6. Connect the tail light harness to the truck harness.



7. Install the tail light onto the truck. Secure it with the two (2) 8mm screws.

8. Repeat steps 1-7 on the other side of the truck.

9. For steps on installing the Boost Bar go to page #21.

10. Turn on the truck and go through all modes to confirm that all tail light functions work.

**ENJOY YOUR NEW MORIMOTO TAIL LIGHTS**

# INSTALLATION PROCESS: 2015-17 INCANDESCENT



2015-17 INCANDESCENT

1. Open your tailgate, remove the two (2) 8mm screws holding in the tail light (IMAGE 1). Pull the tail light out away from the truck to release it (IMAGE 2).

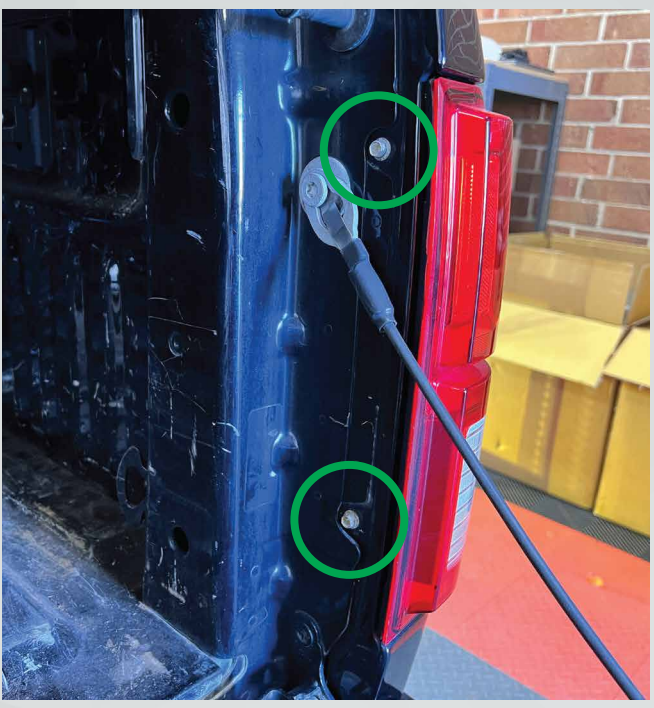


IMAGE 1

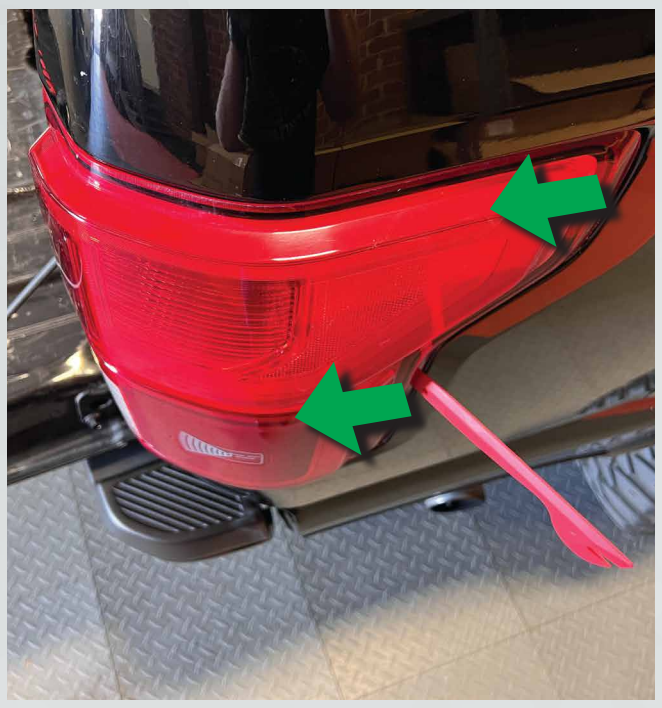
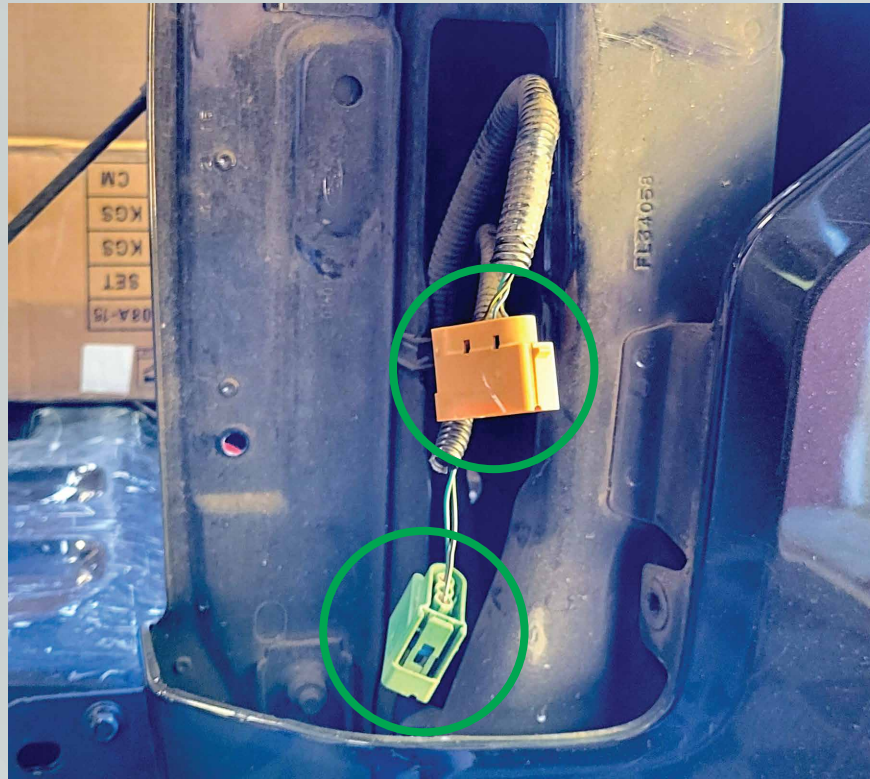
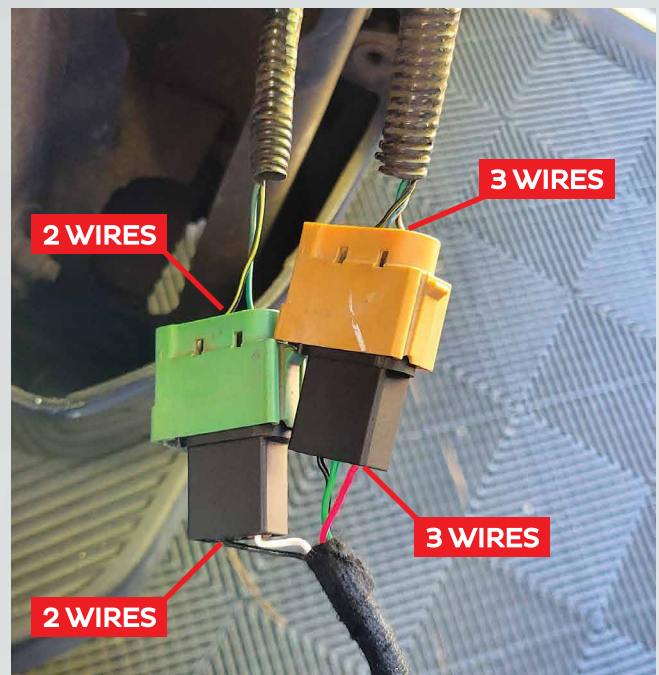
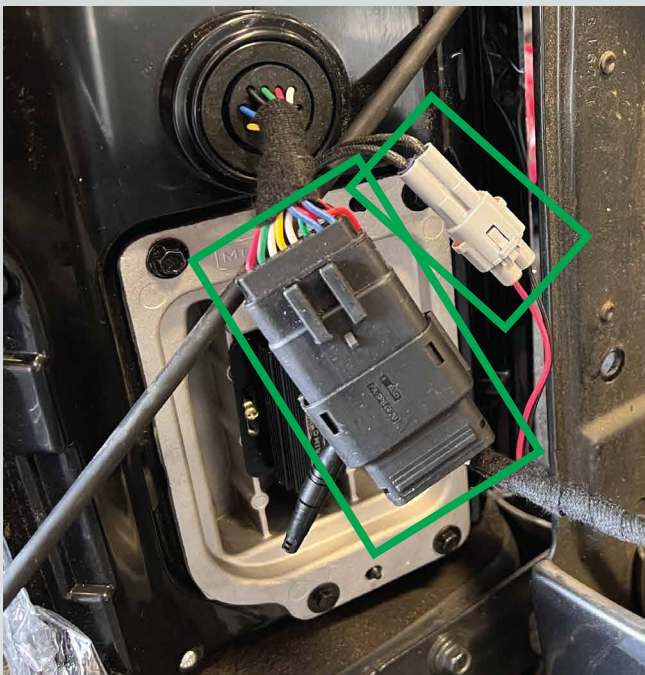


IMAGE 2

2. Disconnect the two (2) connectors from the bulb sockets.



3. Locate the included 15-17 Adapter and connect it to the multi pin plug coming from the Morimoto tail light. Plug in the resistor to the 15-17 Adapter harness. Connect the other end of the 15-17 Adapter to the truck wiring.





4. Install the tail light onto the truck. Secure it with the two (2) 8mm screws.
5. Repeat steps 1-4 on the other side of the truck.
6. For steps on installing the Boost Bar go to page #21.
7. Turn on the truck and go through all modes to confirm that all tail light functions work.

**ENJOY YOUR NEW MORIMOTO TAIL LIGHTS**

# INSTALLATION PROCESS: 2015-2020 OEM LED W/O BLIS



2015-2020 OEM LED W/O BLIS

1. Open your tailgate, remove the two (2) 8mm screws holding in the tail light (IMAGE 1). Pull the tail light out away from the truck to release it (IMAGE 2).

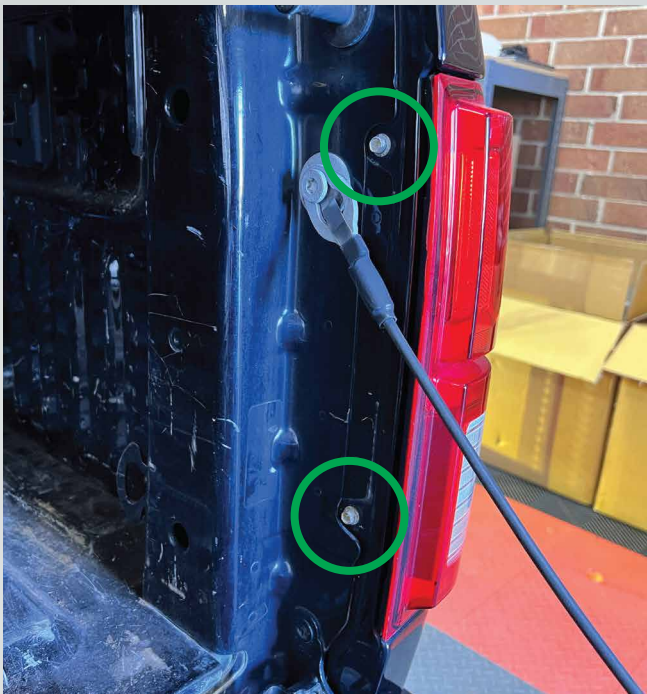


IMAGE 1

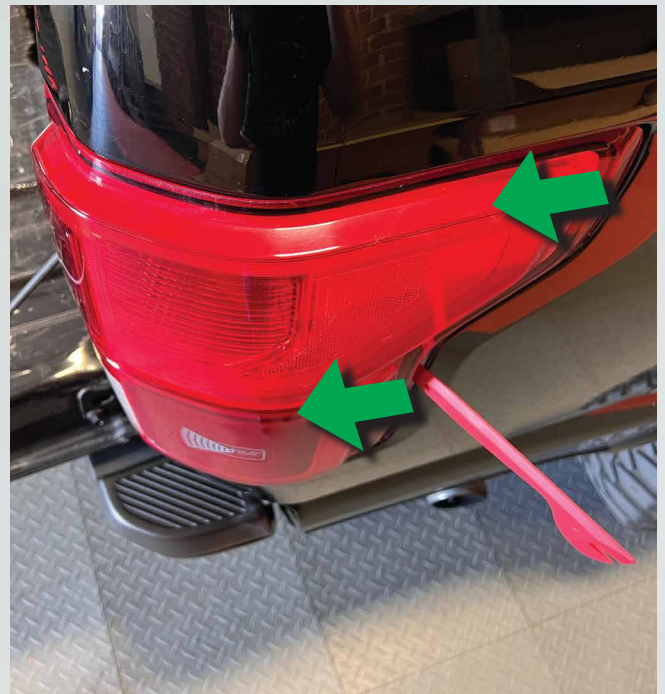
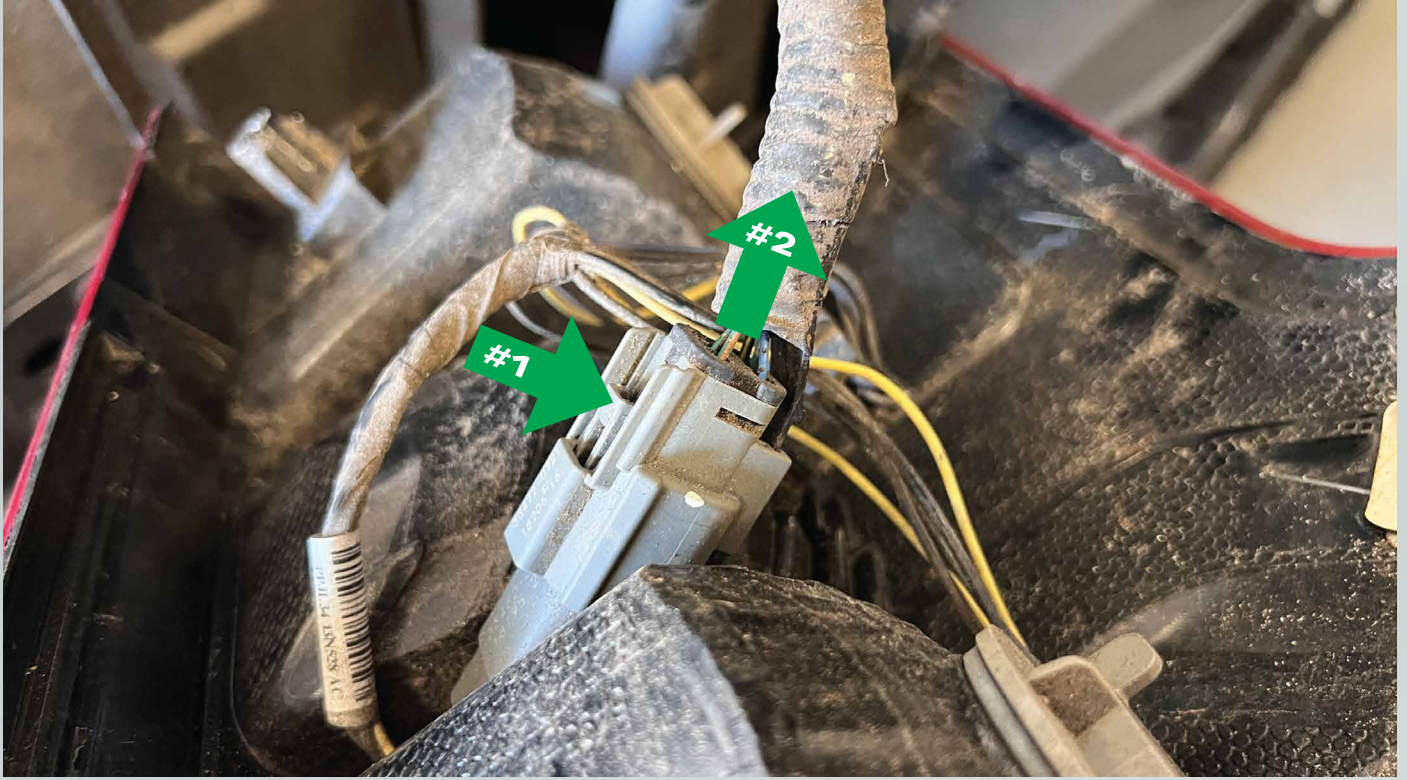
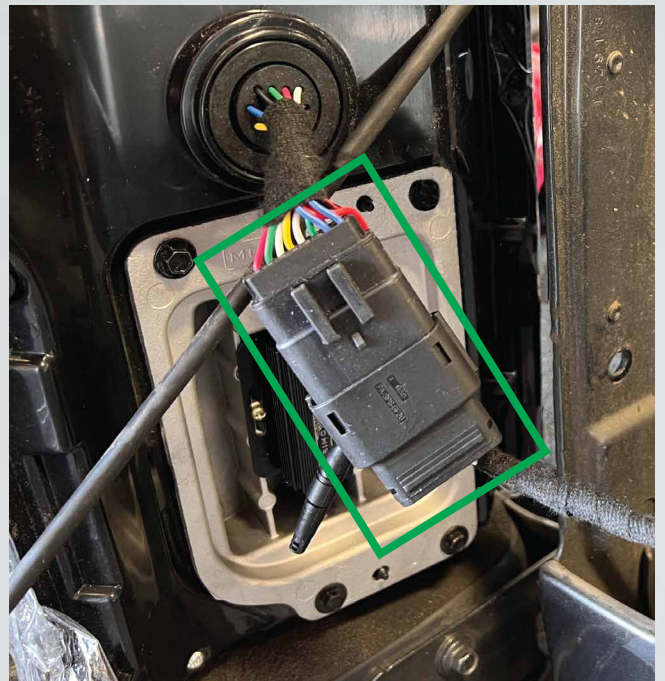


IMAGE 2

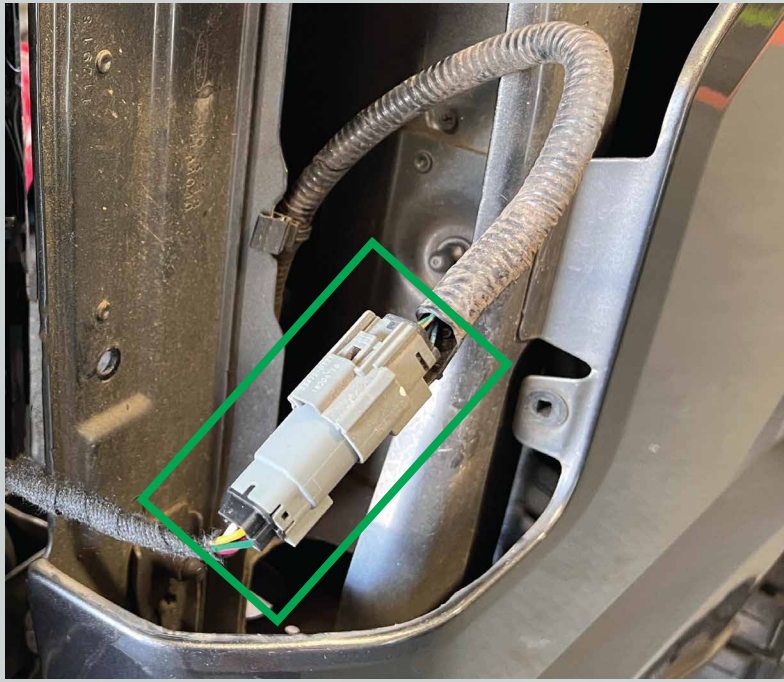
2. Disconnect the OEM connector (IMAGE 3) by pressing the release tab (#1), then slide the connector off the tail light (#2).



3. Get one of your Morimoto tail lights and remove the two (2) philips head screws and remove the resistor. Locate the included 18-20 Adapter and connect it to the multi pin plug coming from the Morimoto tail light.



4. Connect the other end of the 18-20 Adapter to the truck wiring.



5. Install the tail light onto the truck. Secure it with the two (2) 8mm screws.

6. Repeat steps 1-5 on the other side of the truck.

7. For steps on installing the Boost Bar go to page #21.

8. Turn on the truck and go through all modes to confirm that all tail light functions work.

**ENJOY YOUR NEW MORIMOTO TAIL LIGHTS**

(SOLD SEPARATELY)



# BOOST BAR LICENSE PLATE LIGHT INSTALL GUIDE

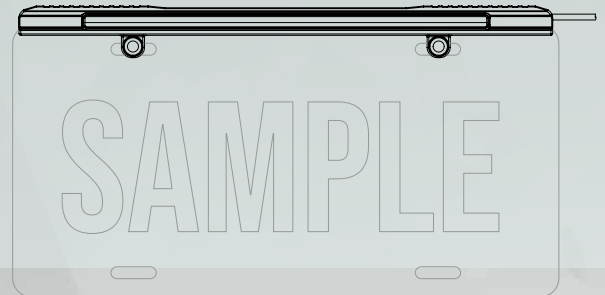
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## PACKAGE CONTENTS

- 1x Boost Bar License Plate Light
- 1x Input Pigtail (not needed in this application)
- 1x Double Wire T-Tap (not needed in this application)

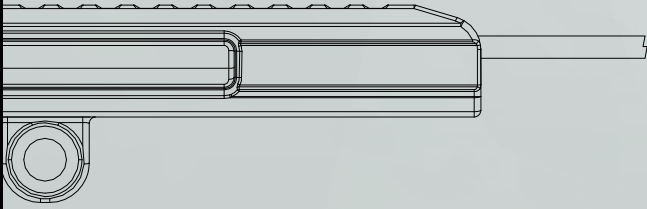
## TOOLS REQUIRED

- Wire Cutters
- Zip Ties
- 1/4" Drill Bit
- Drill



# INSTALLATION PROCESS

## BOOST BAR



1. Remove your license plate and bolt in the Boost Bar. Mark on the bumper where the wire needs to go through.



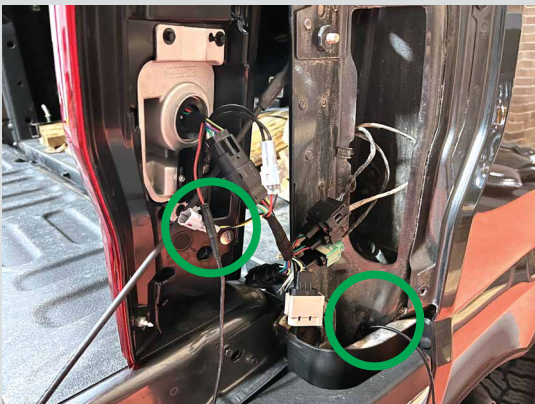
2. Drill a 1/4" hole in your bumper and pass the wiring through. and reinstall your license plate with Boost Bar.



3. Run the wiring behind the bumper along the top, and secure using zip ties.



4. Run the wiring up through the tail light hole and plug into your RIGHT Morimoto tail light. Secure remaining wiring with zip ties.



## DIRECT CONNECTION TO RIGHT MORIMOTO XB LED TAIL LIGHTS

