

2017-2022 SUPERDUTY 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.

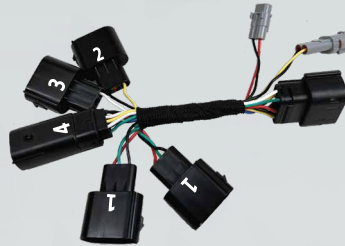
PACKAGE CONTENTS



2X TAIL LIGHT ASSEMBLIES



**4 X 7.5 OHM RESISTORS
WITH MOUNTING HARDWARE**



2 X ADAPTER HARNESSES



BLOCK OFF PLUGS



2 X RESISTOR SPLITTERS

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.

2017 - 2022 FORD SUPERDUTY



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REQUIRED TOOLS

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

OEM TAIL LIGHT IDENTIFIER



2020-22 OEM LED
(PAGE 4)



2017-19 OEM LED
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2020-22 INCANDESCENT W/BLIS
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2017-19 INCANDESCENT W/BLIS
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2020-22 INCANDESCENT
WITHOUT BLIS
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2017-19 INCANDESCENT
WITHOUT BLIS
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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: 2020-22 OEM LED



2020-22 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).

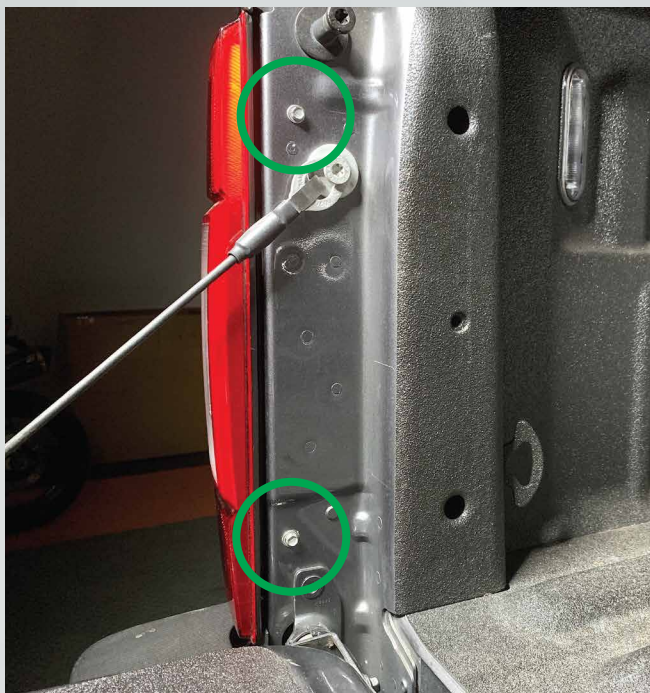


IMAGE 1



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 three (3) 7mm screws holding the BLIS heatsink (IMAGE 4) and pull the heatsink away from the tail light housing to expose the BLIS module.

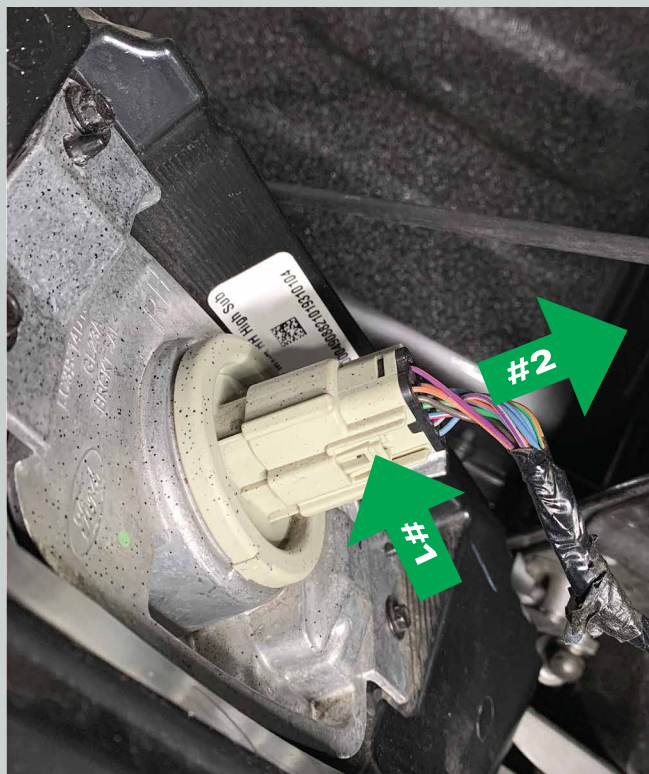


IMAGE 3



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.

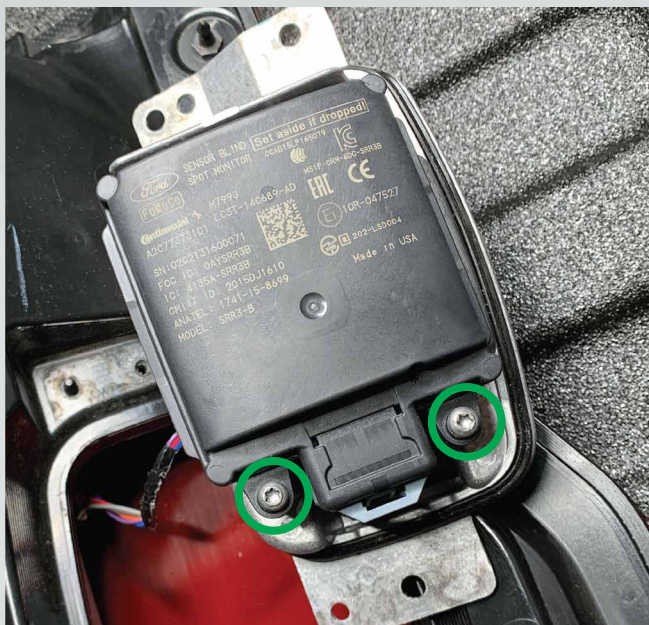


IMAGE 5



IMAGE 6

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). On the internal harness, make sure this yellow wire with the connector is plugged into the purple wire (IMAGE 9).



IMAGE 7



IMAGE 8

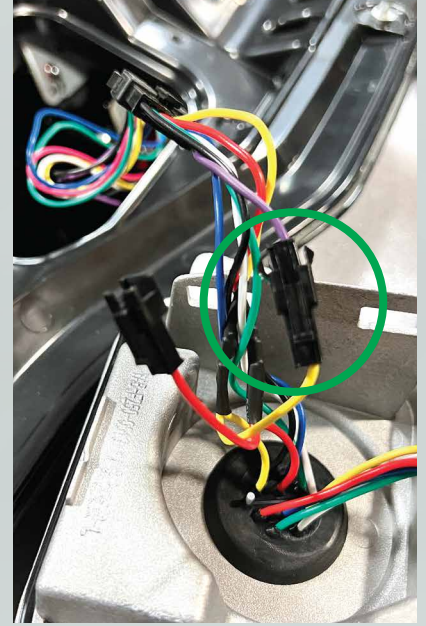


IMAGE 9

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). Tuck the excess wiring under the BLIS module (IMAGE 10). Reinstall the heatsink into the housing, making sure the rubber seal isn't kinked. Hand tighten the four (4) 7mm bolts (IMAGE 11). Remove the two (2) philips head screws and remove the resistor (IMAGE 12).

HAND TIGHTEN WITH HAND TOOLS ONLY



IMAGE 10

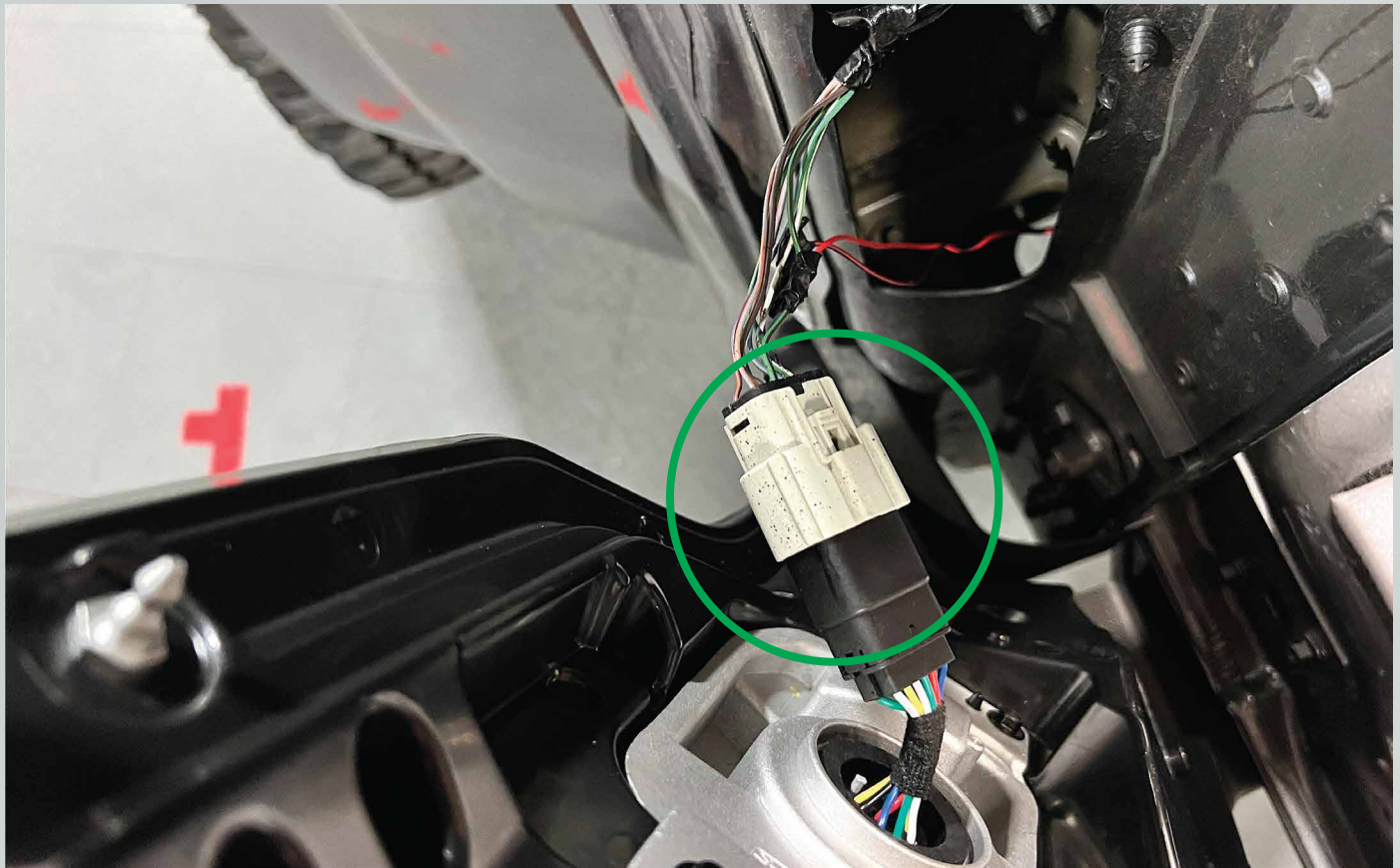


IMAGE 11



IMAGE 12

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 #25.

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: 2020-22 INCANDESCENT WITH BLIS



2020-22 INCANDESCENT WITH 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).

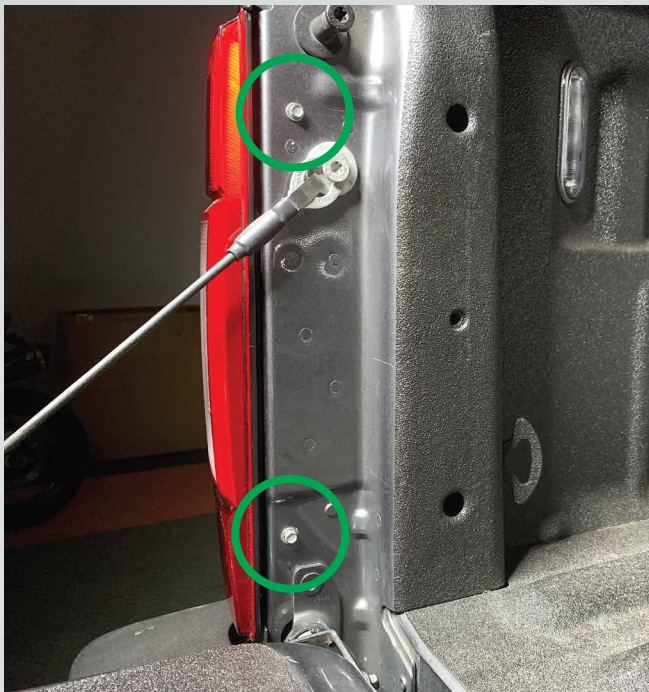


IMAGE 1

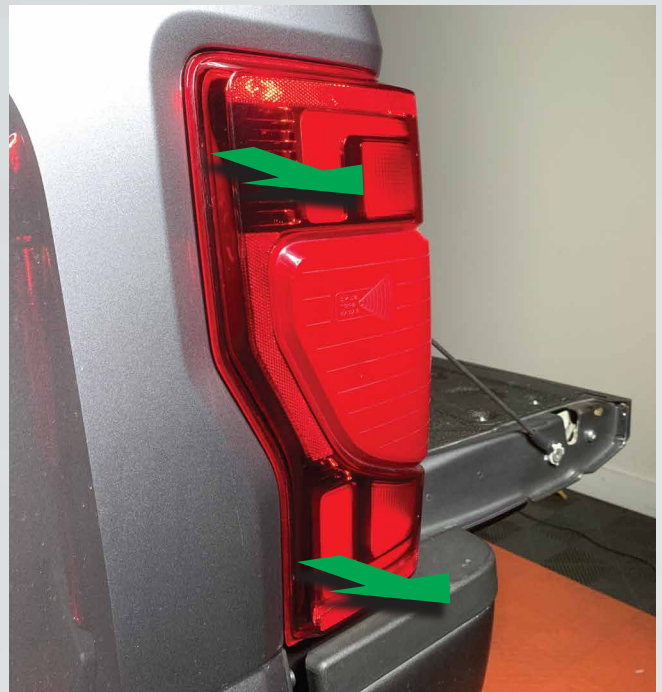


IMAGE 2

2. Get some painters tape and label the four (4) connectors that plug into the tail light (as numbered below) then unplug the four (4) connectors (IMAGE 3). Remove the three (3) 7mm screws holding the heatsink (IMAGE 4) and pull the heatsink away from the tail light housing to expose the BLIS module.



IMAGE 3

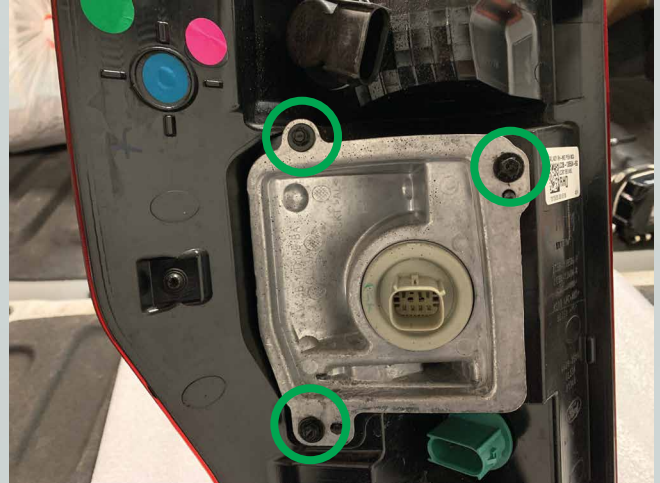


IMAGE 4

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

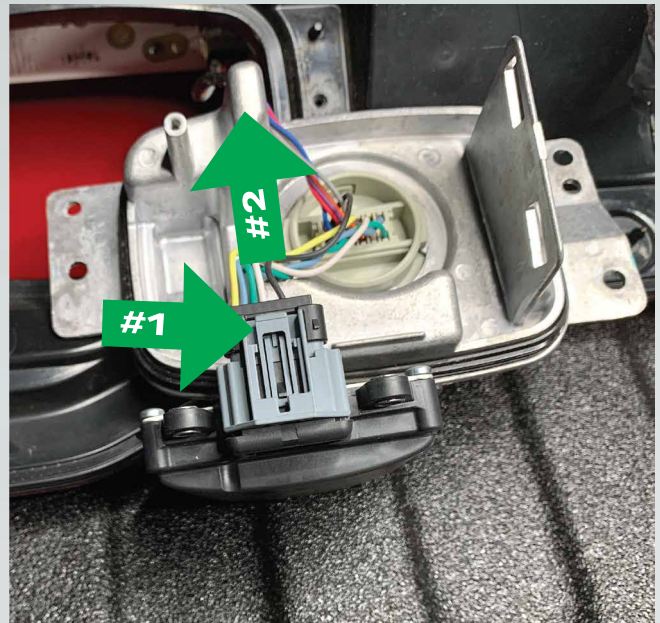


IMAGE 6

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). On the internal harness, make sure this yellow wire with the connector is plugged into the purple wire (IMAGE 9).



IMAGE 7



IMAGE 8

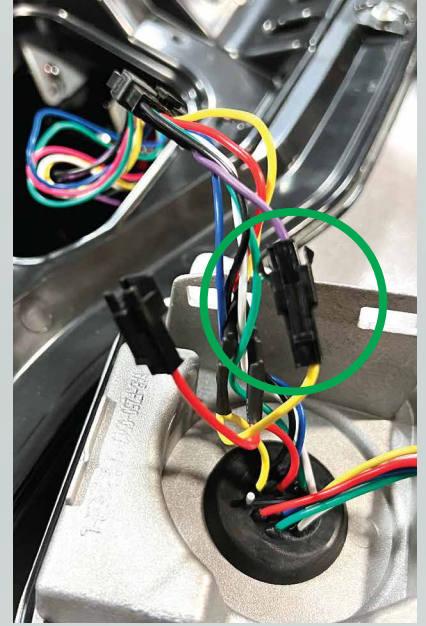


IMAGE 9

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). Tuck the excess wiring under the BLIS module (IMAGE 10). Reinstall the heatsink into the housing, making sure the rubber seal isn't kinked. Hand tighten the four (4) 7mm bolts (IMAGE 11). Remove the two (2) philips head screws from the resistor (IMAGE 12).

HAND TIGHTEN WITH HAND TOOLS ONLY



IMAGE 10



IMAGE 11



IMAGE 12

6. Position the resistor over the mounting holes and thread in the brass standoffs (IMAGE 13). Place the second resistor (7.5 OHM) over the standoffs, pass the bolts through the washers and thread in and **HAND TIGHTEN** the bolts with a philips head screwdriver (image 14). Plug the resistors into the adapter harness, then plug in the adapter harness into the tail light plug (IMAGE 14).

HAND TIGHTEN WITH HAND TOOLS ONLY

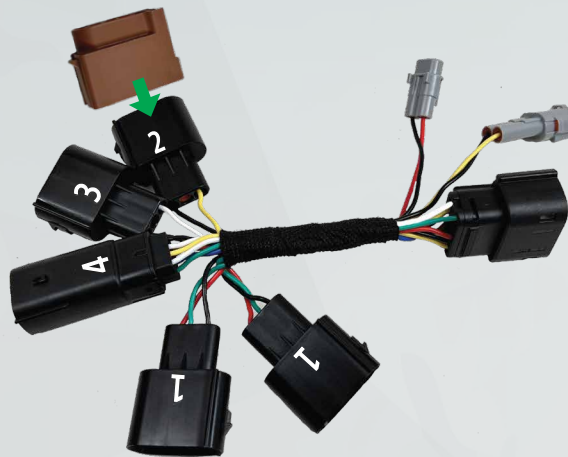


IMAGE 13



IMAGE 14

7. Plug in the tail light harness connectors into the factory harness connectors as numbered below. Also install one brown block off plug (included in bag) onto connector #2. Note: both connectors labeled #1 are interchangeable.



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

9. Repeat steps 1-8 on the other side of the truck. For steps on installing the Boost Bar go to page #25. Turn on the truck and go through all modes to onfirm that all tail light functions work.

ENJOY YOUR NEW MORIMOTO TAIL LIGHTS

INSTALLATION PROCESS: 2020-22 INCANDESCENT WITHOUT BLIS



2020-22 INCANDESCENT WITHOUT 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).

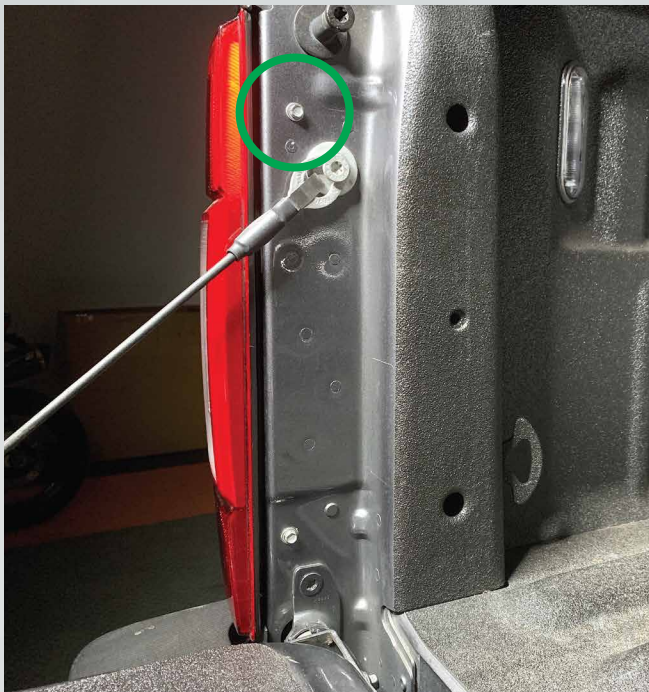


IMAGE 1



IMAGE 2

2. Get some painters tape and label the four (4) connectors that plug into the tail light (as numbered below) then unplug the four (4) connectors (IMAGE 3) and set your factory tail light off to the side. Grab your Morimoto tail light and remove the two (2) philips head screws from the resistor (IMAGE 4).

HAND TIGHTEN WITH HAND TOOLS ONLY



IMAGE 3



IMAGE 4

3. Position the resistor over the mounting holes and thread in the brass standoffs (IMAGE 5). Place the second resistor (7.5 OHM) over the standoffs, pass the bolts through the washers and HAND TIGHTEN the bolts with a philips head screwdriver (image 6). Plug the resistors into the adapter harness, then plug in the adapter harness into the tail light plug (IMAGE 6).

HAND TIGHTEN WITH HAND TOOLS ONLY

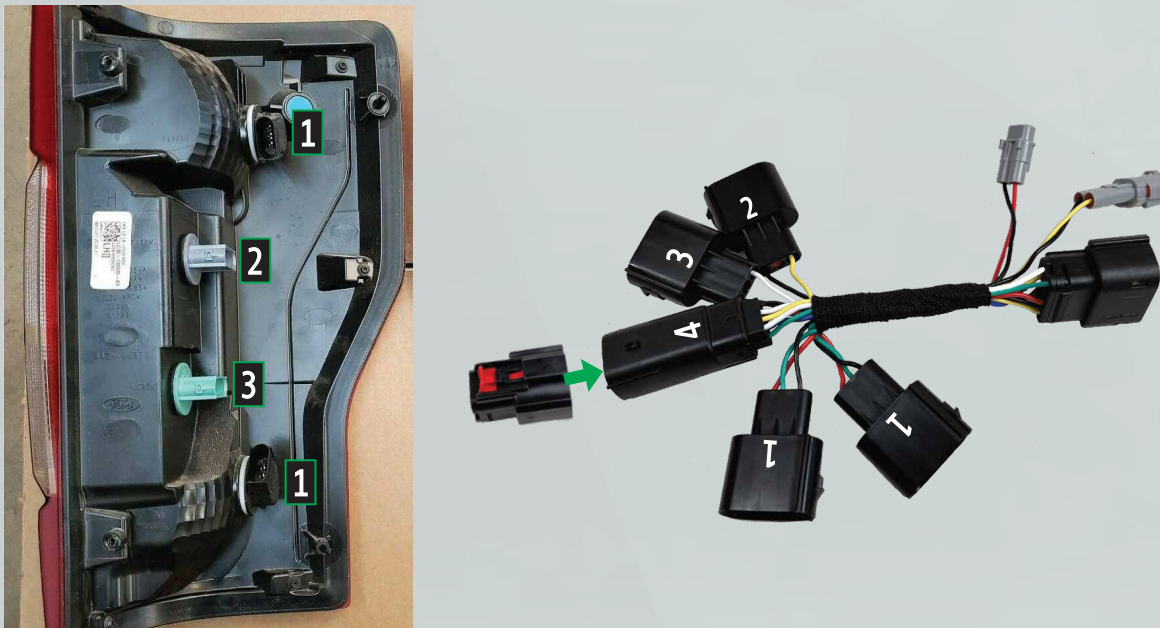


IMAGE 5



IMAGE 6

4. Plug in the tail light harness connectors into the factory harness connectors as numbered below. Also install the black block off plug (included in bag) onto connector #4. Note: both connectors labeled #1 are interchangeable.



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 #25.
8. 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: 2017-19 OEM LED



17-19 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).

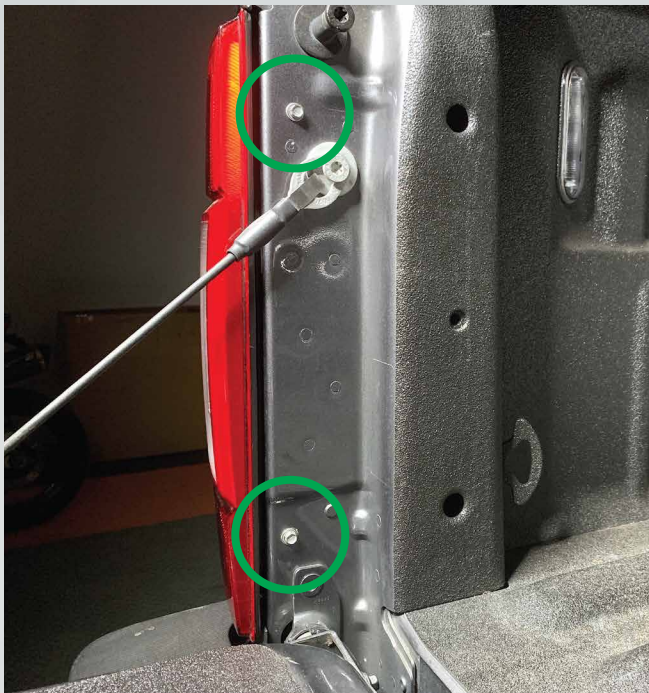


IMAGE 1

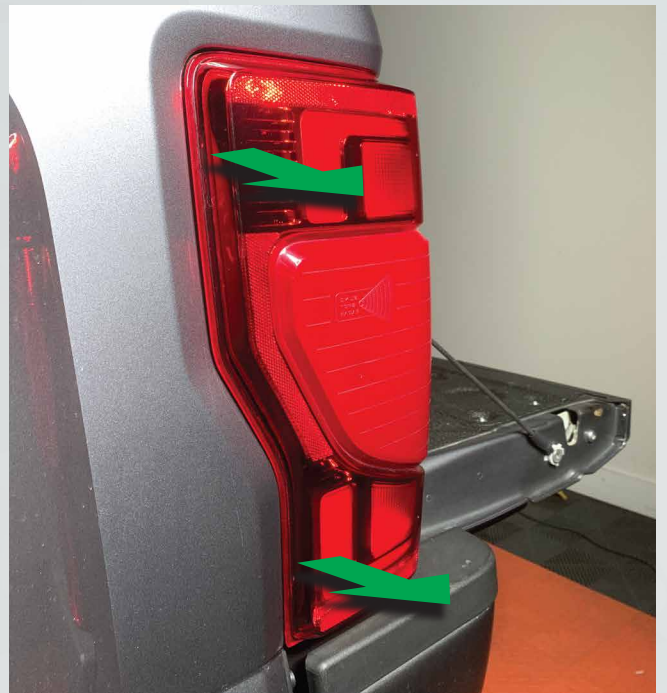


IMAGE 2

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

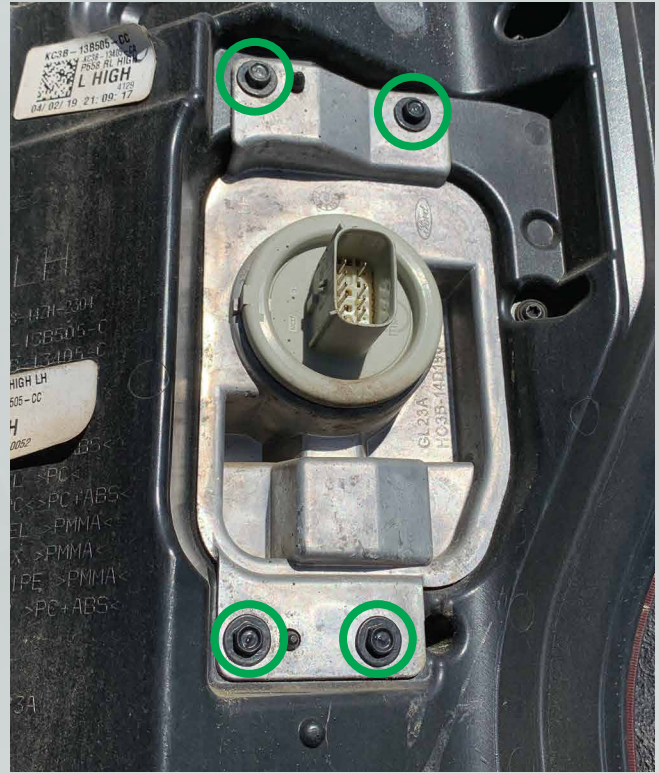


IMAGE 4

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

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). On the internal harness, make sure the red wire with the connector is plugged into the purple wire (IMAGE 9).



IMAGE 7



IMAGE 8



IMAGE 9

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). Tuck the excess wiring under the BLIS module (IMAGE 10). Reinstall the heatsink into the housing, making sure the rubber seal isn't kinked. Hand tighten the four (4) 7mm bolts (IMAGE 11). Remove the two (2) philips head screws and remove the resistor (IMAGE 12).

HAND TIGHTEN WITH HAND TOOLS ONLY



IMAGE 10

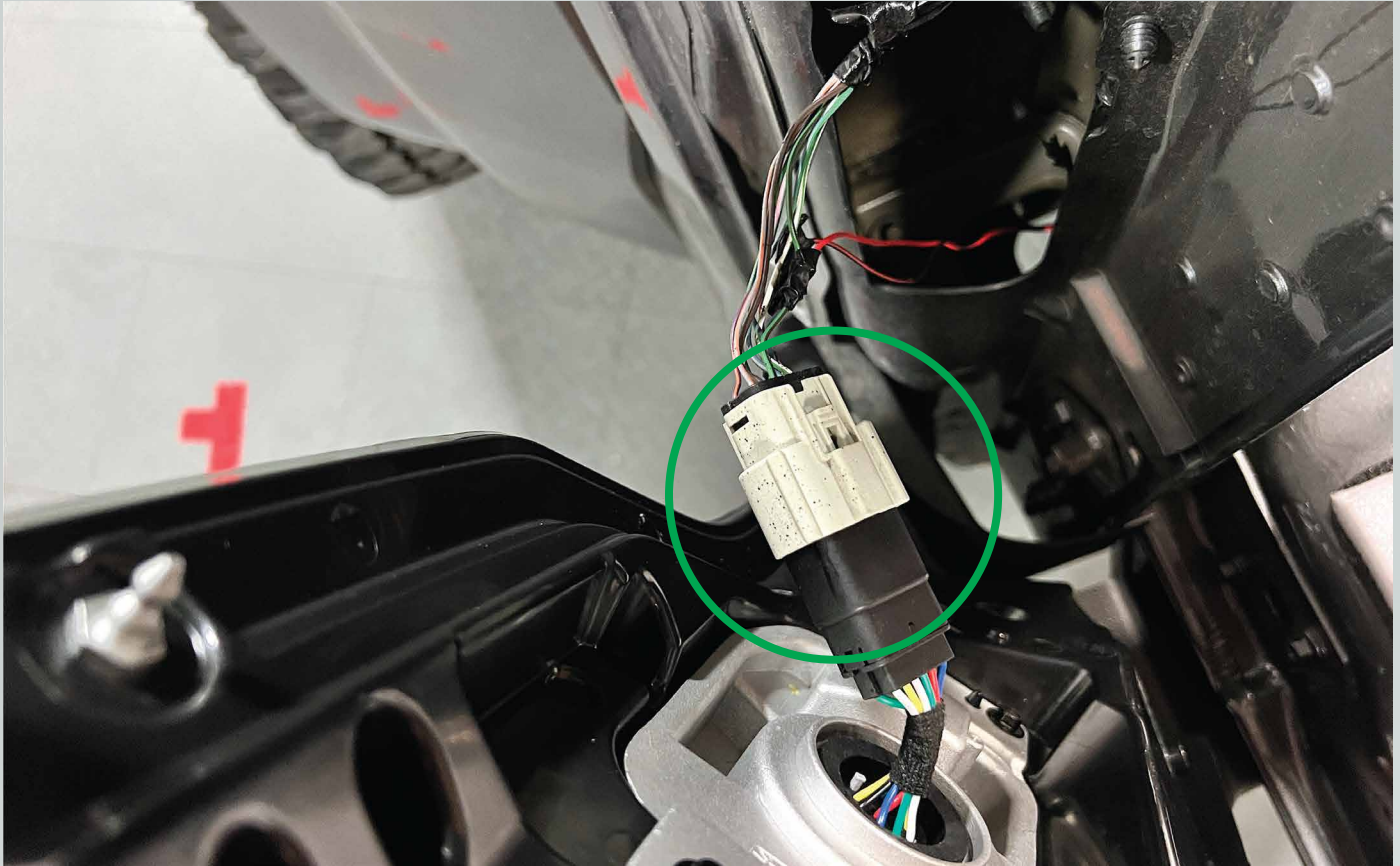


IMAGE 11



IMAGE 12

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 #25.

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: 2017-19 INCANDESCENT WITH BLIS



2017-19 INCANDESCENT WITH 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).

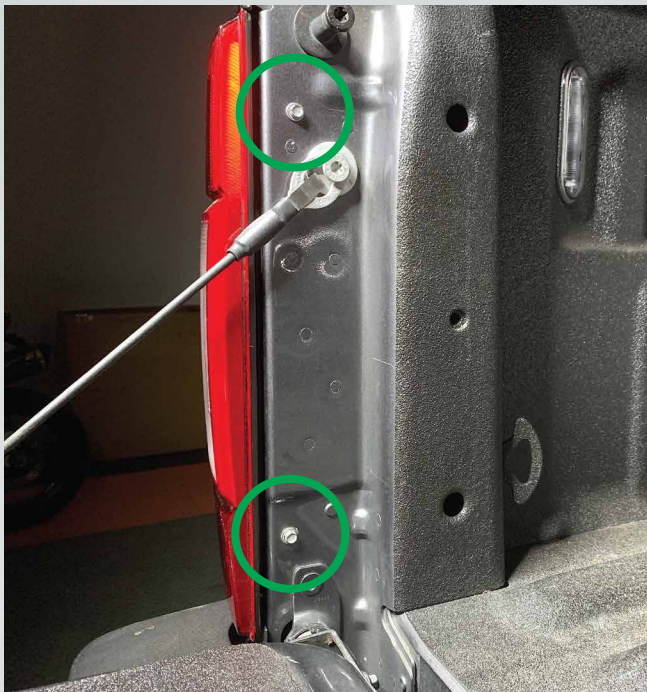


IMAGE 1



IMAGE 2

2. Get some painters tape and label the three (3) connectors that plug into the tail light (as numbered below) then unplug the three (3) connectors (IMAGE 3). Remove the four (4) 7mm screws holding the heatsink (IMAGE 4) and pull the heatsink away from the tail light housing to expose the BLIS module.

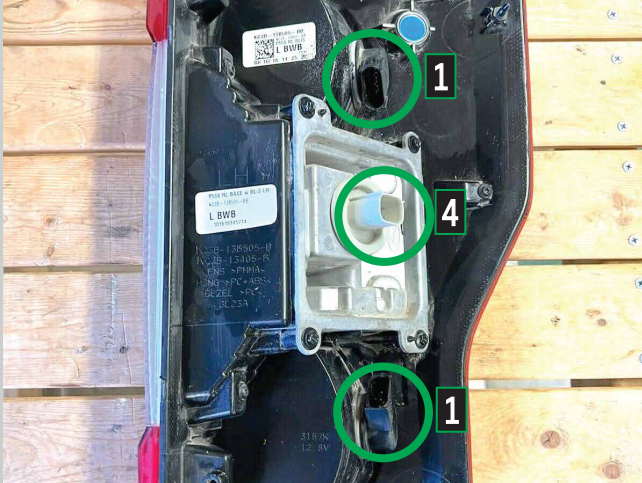


IMAGE 3



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

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). On the internal harness, make sure this yellow wire with the connector is plugged into the purple wire (IMAGE 9).



IMAGE 7



IMAGE 8

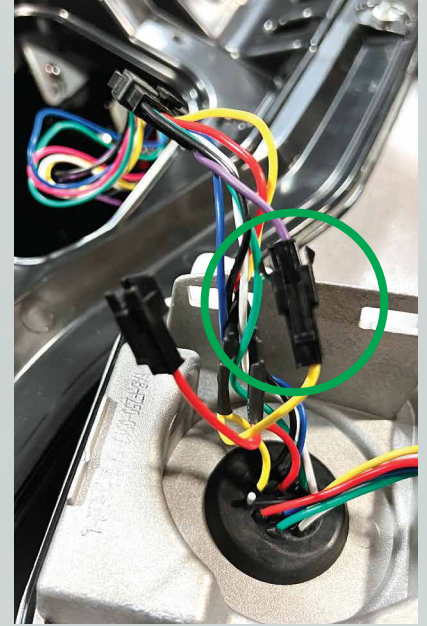


IMAGE 9

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). Tuck the excess wiring under the BLIS module (IMAGE 10). Reinstall the heatsink into the housing, making sure the rubber seal isn't kinked. Hand tighten the four (4) 7mm bolts (IMAGE 11). Remove the two (2) philips head screws and remove the 3.75 ohm resistor (IMAGE 12).

HAND TIGHTEN WITH HAND TOOLS ONLY



IMAGE 10



IMAGE 11



IMAGE 12

6. Position one 7.5 ohm resistor over the mounting holes and thread in the brass standoffs (IMAGE 13). Place the second resistor (7.5 OHM) over the standoffs, pass the bolts through the washers and thread in and **HAND TIGHTEN** the bolts with a philips head screwdriver (image 14). Plug in the resistor splitters into the adapter harness (IMAGE 15).

HAND TIGHTEN WITH HAND TOOLS ONLY



IMAGE 13



IMAGE 14

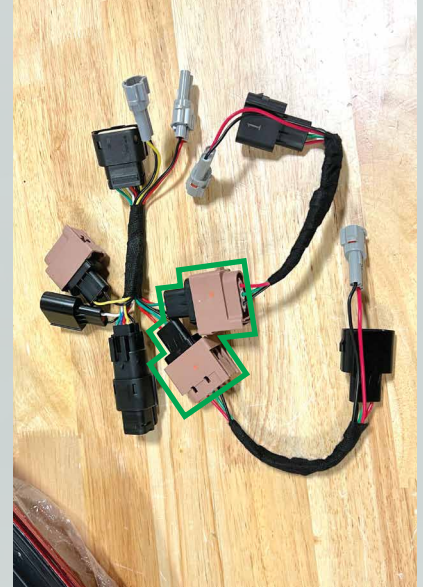
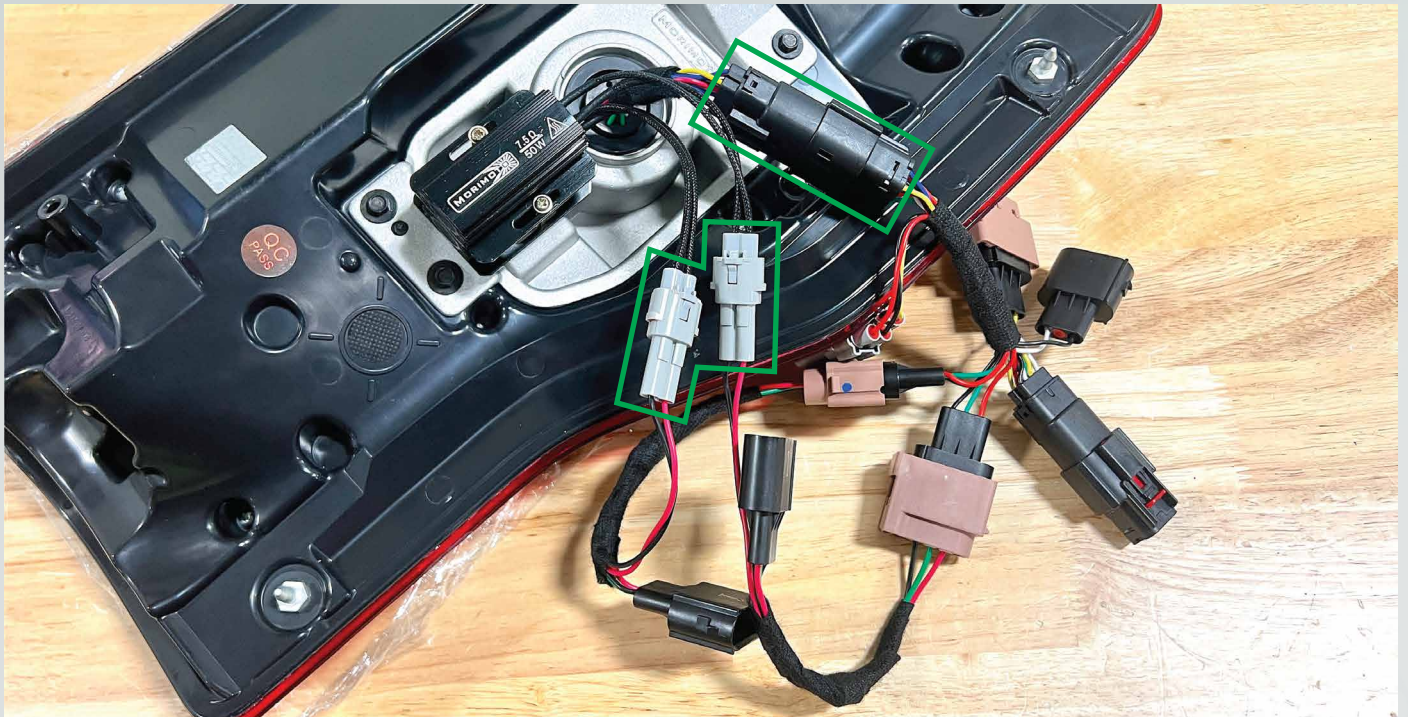
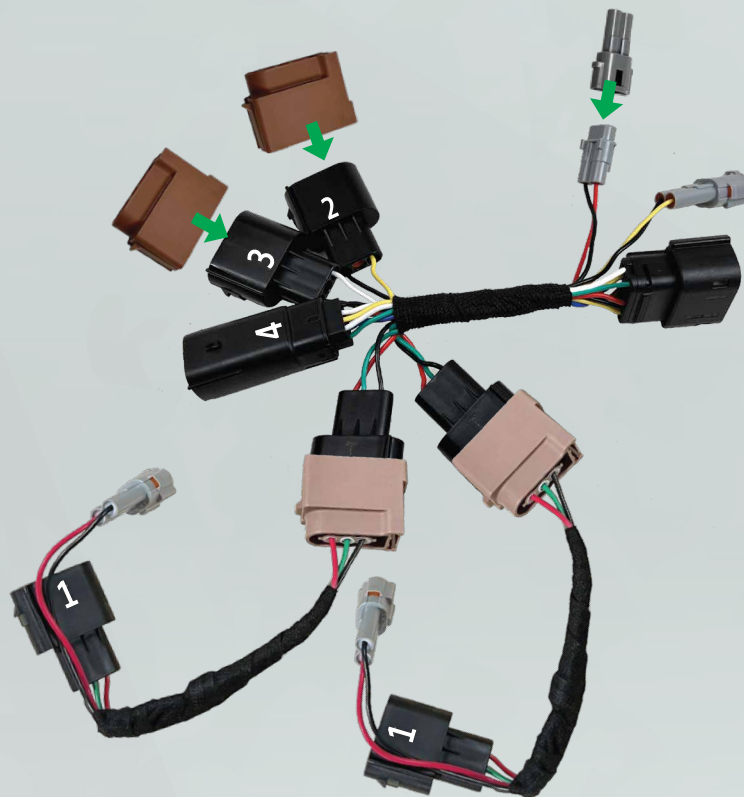


IMAGE 15

7. Plug in the adapter harness into the tail light plug, then plug the resistors into the adapter harness.



8. Plug in the tail light harness connectors into the factory harness connectors as numbered below. Also install two brown and one grey block off plugs (included in bag) onto connectors #2, 3. Note: both connectors labeled #1 are interchangeable.



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

10. Repeat steps 1-9 on the other side of the truck.

11. For steps on installing the Boost Bar go to page #25.

12. 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: 2017-19 INCANDESCENT WITHOUT BLIS



2017-19 INCANDESCENT WITHOUT 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).

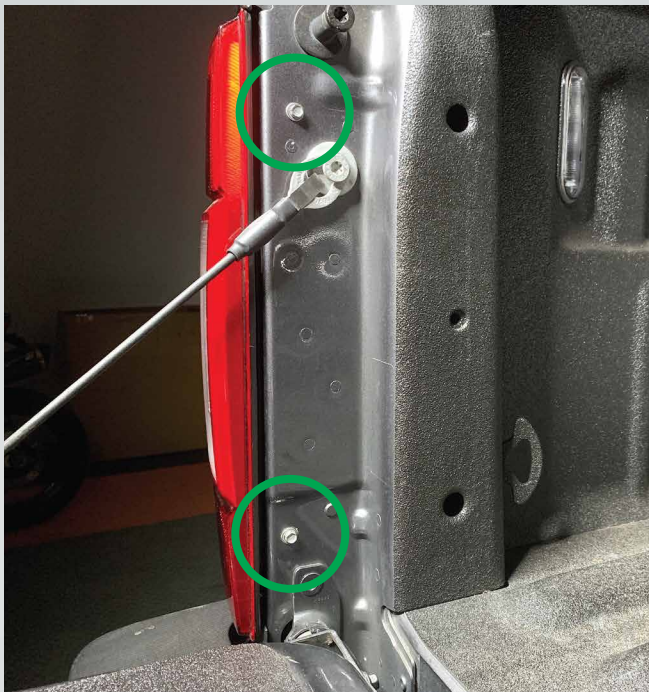


IMAGE 1

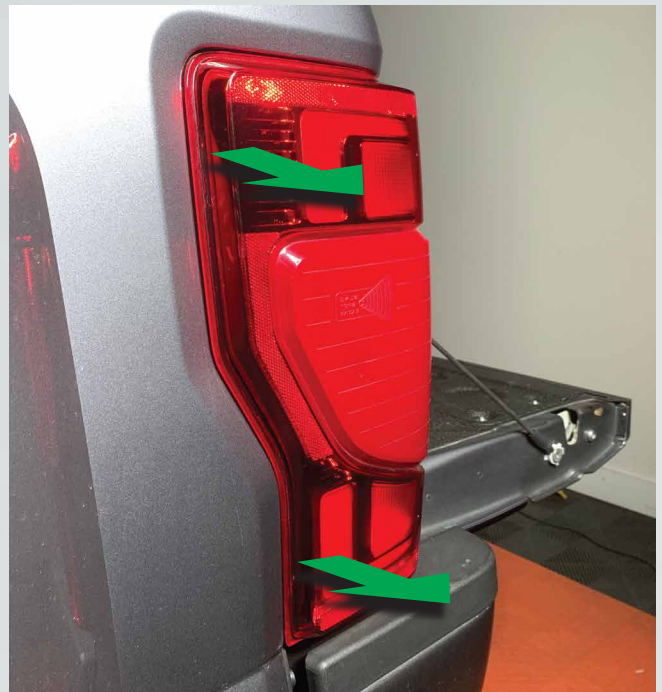


IMAGE 2

2. Get some painters tape and label the three (3) connectors that plug into the tail light (as numbered below) then unplug the three (3) connectors (IMAGE 3) and set your factory tail light off to the side. Grab your Morimoto tail light and remove the two (2) philips head screws and remove the 3.75 ohm resistor (IMAGE 4)



IMAGE 3



IMAGE 4

3. Position one 7.5 ohm resistor over the mounting holes and thread in the brass standoffs (IMAGE 5). Place the second resistor (7.5 OHM) over the standoffs, pass the bolts through the washers and thread in and HAND TIGHTEN the bolts with a philips head screwdriver (image 6). Plug in the resistor splitters into the adapter harness (IMAGE 7).

HAND TIGHTEN WITH HAND TOOLS ONLY



IMAGE 5



IMAGE 6

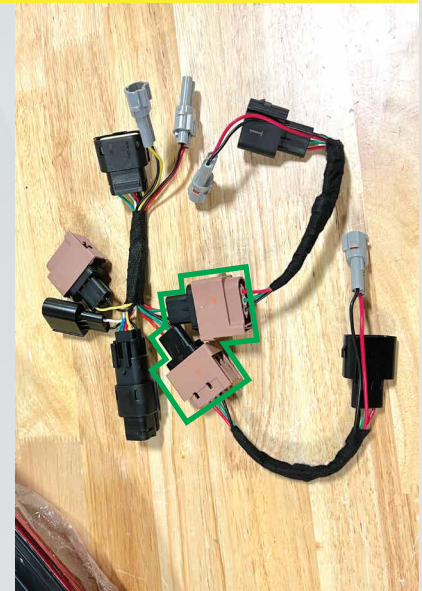
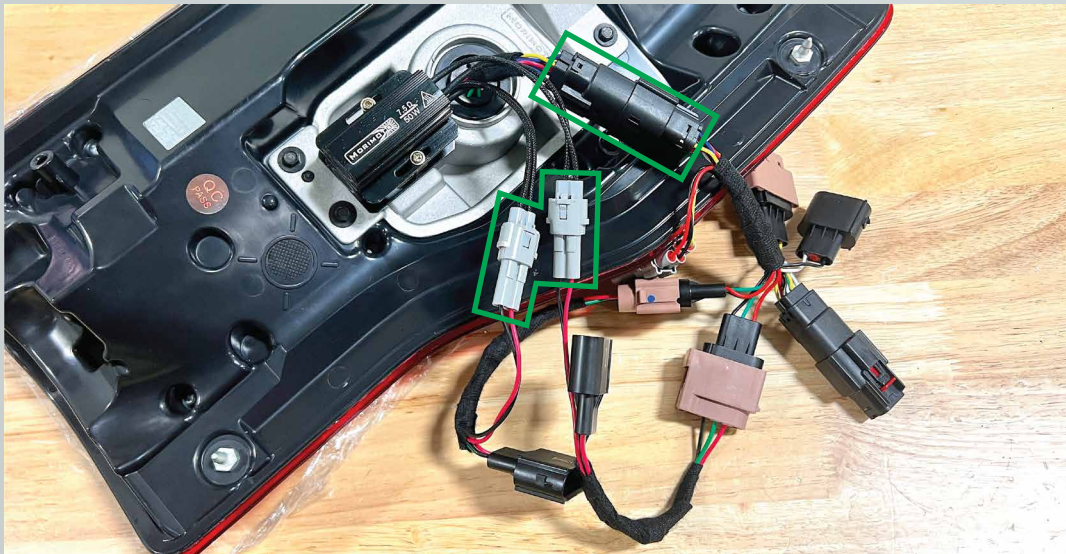
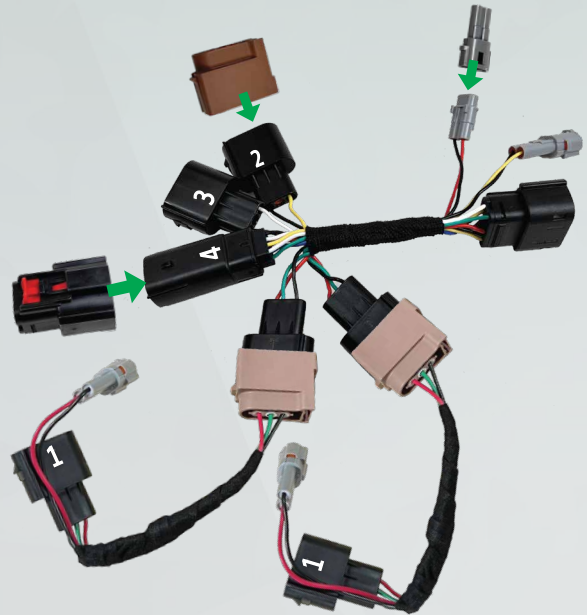


IMAGE 7

4. Plug in the adapter harness into the tail light plug, then plug the resistors into the adapter harness.



5. Plug in the tail light harness connectors into the factory harness connectors as numbered below. Also install one brown, one black and one grey block off plugs (included in bag) onto connectors #2, 4. Note: both connectors labeled #1 are interchangeable.



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

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

8. For steps on installing the Boost Bar go to page #25.

9. 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

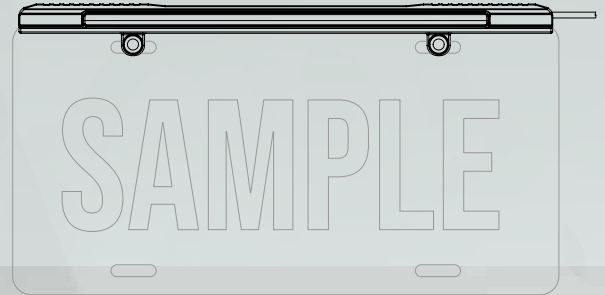
WARNING: By reading this document, you agree it is only to be used as an educational guide. Morimoto Lighting nor its dealers make guarantees on any finished results, nor are they to be held responsible for any damage, misuse, or personal injuries. If you are unable to clearly understand and adapt the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

PACKAGE CONTENTS

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

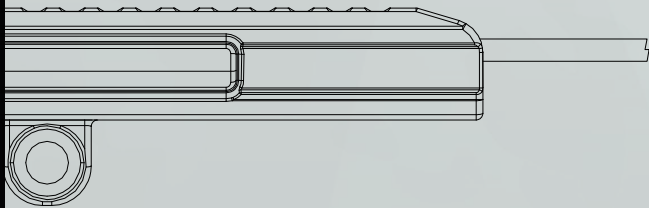
TOOLS REQUIRED

- 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.



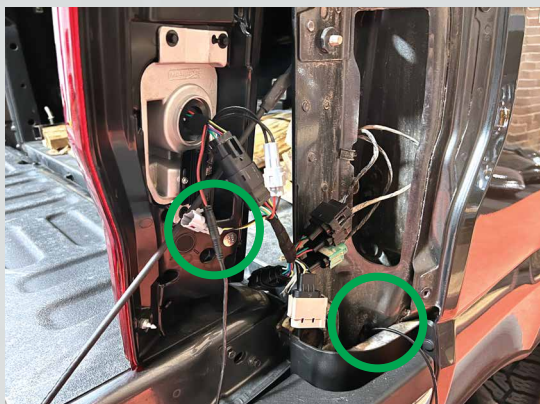
2. Drill a 1/4" hole in your bumper and pass the wiring through. and reinstall your license plate with Boost Bar.



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

