



PRODUCT: Bronco Rear License Plate Mount

REV: A | 04-04-2023 | II-B0203

READ INSTRUCTIONS IN FULL BEFORE INSTALLATION.

QUESTIONS? CALL 916-631-8071 M-F 7:00 AM – 5:00 PM PST

The MetalCloak experience includes the ease of installation of our products. We design for most contingencies, but installation may be different based on different Bronco condition, configuration and/or year.

We are continually trying to improve our products and instructions – please help us by providing feedback and pictures if you find any part of the instructions that do not match your Bronco or are not easily understandable.

If you have any difficulties at all, please give us a call. Thank you and enjoy your MetalCloak Products!

IMPORTANT NOTE: We use Stainless Steel Hardware where possible. Therefore, a tube of Silver Anti-seize is provided and should be used on all bolts—only a small amount is needed.

WARRANTY INFORMATION: This article is sold without warranty expressed or implied. No warranty or representation is made as to this products ability to protect the user from injury or death. The user assumes that risk. The effectiveness, warranty and longevity of this equipment are directly related to the manner in which it is INSTALLED, USED and/or MAINTAINED. THE USER ASSUMES ALL RISK. By purchasing this product and opening the packaging, purchasers expressly acknowledge, understand and agree that they take, select and purchase these MetalCloak products from Armored Works, LLC, its affiliates and distributors and agents as is and with all faults. The entire risk as to the quality and performance of these MetalCloak products is with the purchaser. Working on your vehicle can be a dangerous activity. If you are unsure of what you are doing, please leave mechanical or safety critical work to a skilled mechanic. We take no responsibility for the incorrect use and/or installation of MetalCloak products.

Section 1: Tools & Notes on Installation



Tools Required:



Socket & Ratchet Wrench

13MM Socket
15MM Socket
18MM Socket
7/16" Socket



Drill

1/4" Drill Bit



Wire Cutters
Wire Strippers
Wire Crimpers

T40 Torx



Razor blade

HOW TO USE THIS GUIDE: The installation guide contains ALL steps for installation. Please read and follow the instructions in order of each page top to bottom and left to right.

Model: Instructions may apply to multiple Bronco models but are labeled separately where appropriate.

Options: Because of the number of component options we offer, these instructions may contain steps that will not match your particular configuration. You can skip these steps.

Images: Pictures are provided, and parts are labeled throughout the instructions. Each text box contains guidance based on the pictures next to it. The text will refer to alphabetical labels (A, B, etc.) found in the images.

Installation Notes: Terms may be used in the body of the instructions that you may not be familiar with, if you have any questions feel free to contact us at the number below, or email techhelp@metalcloak.com

QUESTIONS: Any questions or comments about the instructions? Call us at 916-631-8071 M-F 7:00 AM – 5:00 PM PST.

Section 2: Product Components

DC-0001 Rev B

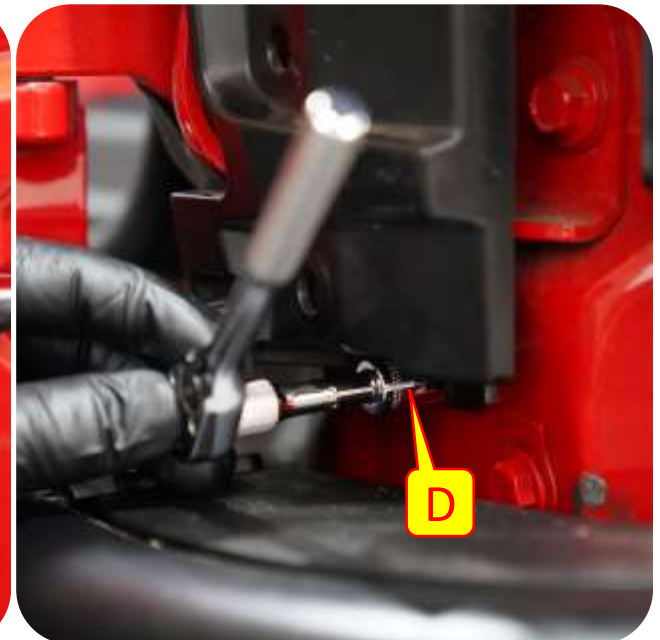
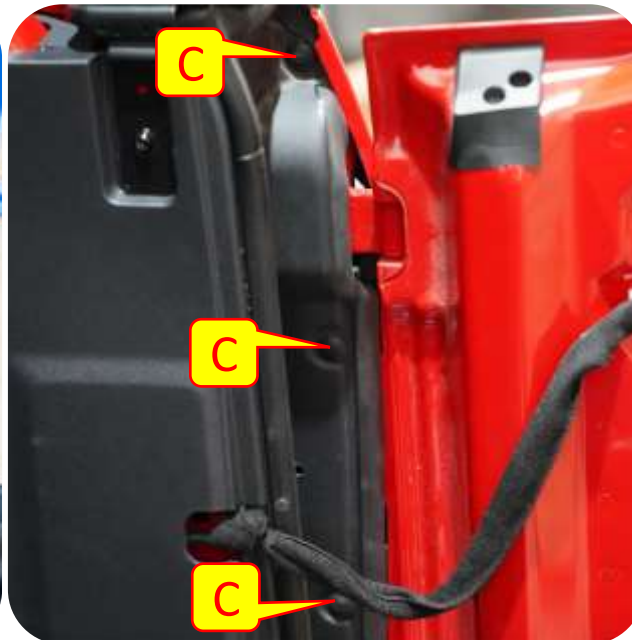
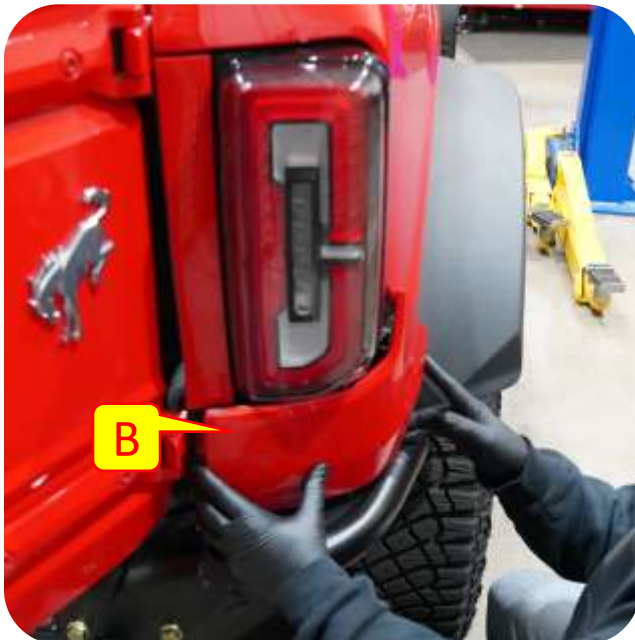
SHEET 1 OF 2

	1	2	3	4	5	6	7	8
	ITEM	PART NUMBER/DESCRIPTION				QTY.		
	1	CB-0100 LUG STANDOFF, LICENSE PLATE MOUNT, BRONCO				2		
	2	WM-3960 WELDMENT, LICENSE PLATE MOUNT				1		
E	3	WM-6961 WELDMENT, LICENSE PLATE BASE, BRONCO				1		
	HK-B0403							
	4	FA-0075 THUMB SCREW PLASTIC KNOB, 0.38-16 X 0.75L SS 18-8				1		
	5	FA-1024 BUTT SPLICE, 22-18GA				3		
	6	FA-1026 WIRE SPLICE, 22-18GA				3		
	7	FA-1037 RED LED MARKER LIGHT, 1.25D X 9.0L				1		
	8	FA-1040 LICENSE PLATE LIGHT, 1.30W X 2.60L				1		
	9	FA-1046 EXTENSION CABLE 3 PIN				1		
D	10	FA-1046-C12 HARNESS, MALE 5' FEMALE 1'				1		
	11	FM-12350 HHCS, M12-1.5 X 35L STL C10.9 GOLD ZINC				2		
	12	FS-00084 NYLOCK NUT, 6-32 X 0.17H STL GF ZINC				2		
	13	FS-00085 FHCS CROSS, 6-32 X 0.75L STL ZINC				2		
	14	FS-04021 SBHCS, 0.25-20 X 0.63L SS 18-8 PLAIN				4		
	15	FS-06035 LOCK WASHER INT TOOTH, 0.38ID X 0.7OD X 0.03TH STL ZINC				1		
	16	FS-06104 HHCS SERRATED FLANGE, 0.38-16 X 0.75L STL G5 ZINC				1		
C								
B	<div> <div>THE INFORMATION CONTAINED ON THIS DRAWING IS THE EXCLUSIVE PROPERTY OF ARMORED WORKS, LLC. UNAUTHORIZED REPRODUCTION IS PROHIBITED.</div> <div>DO NOT SCALE DRAWING</div> <div> <div>MetalCloak</div> <div>A DIVISION OF ARMORED WORKS, LLC</div> </div> </div>							
A	<div> <div>PART NUMBER/DESCRIPTION</div> <div>B0203 LICENSE PLATE MOUNT, BRONCO</div> </div>							

Section 3: Installation Instructions

Step 1: Disconnect The Passenger Side Taillight

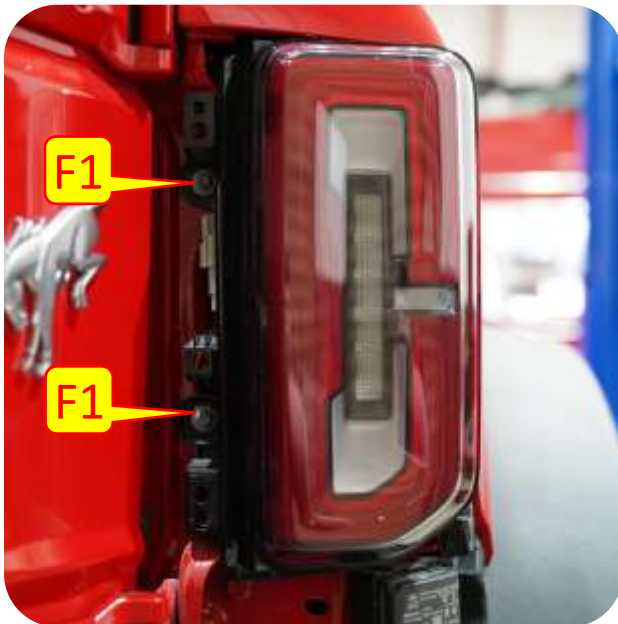
- A. Twist the lever under the fender flare to release the back of the flare from the body and pull flare away.
- B. Pull off the body panel under the passenger side taillight.
- C. Using a Phillips head screwdriver remove the 4 plastic rivet nuts from the trim panel inside by the tailgate hinges.
- D. Use a 10mm deep socket to remove the two bolts from the trim panel.



Section 3: Installation Instructions

Step 1: Disconnect The Passenger Side Taillight

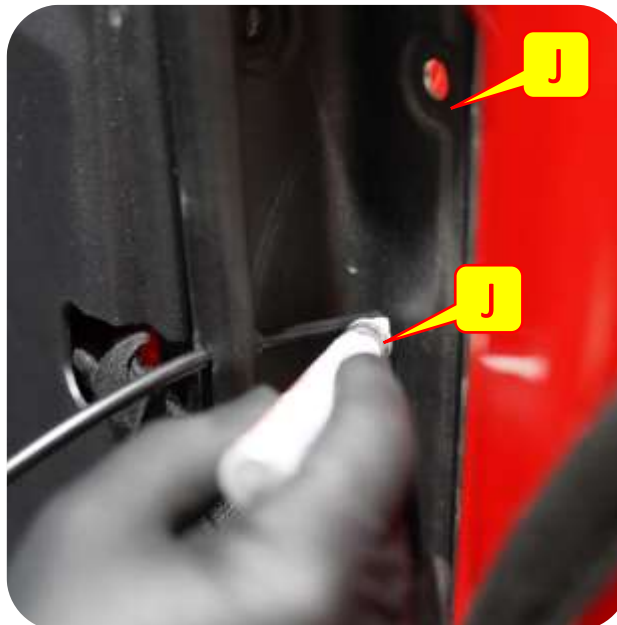
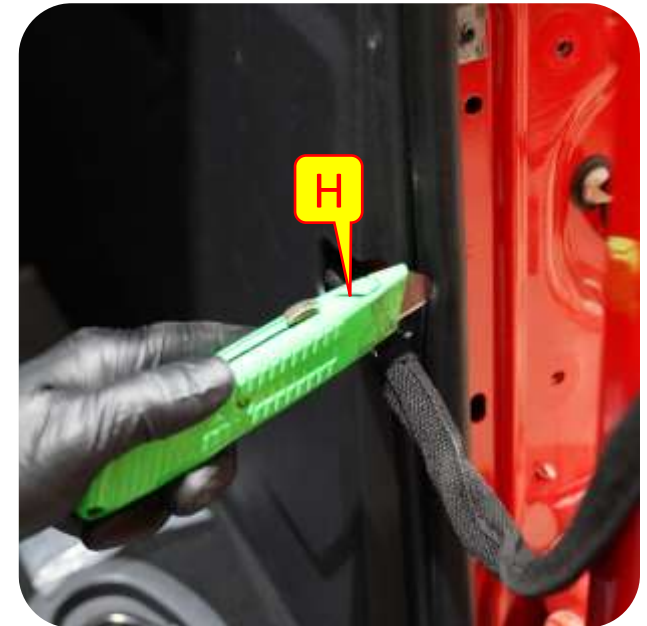
- E. Remove the trim panel.
- F. Use an 8mm socket to remove the two bolts hiding underneath that panel (F1) and a 10mm socket to remove one bolt on the side of the taillight (F2).
- G. Unplug the taillight and remove the taillight.



Section 3: Installation Instructions

Step 2: Wiring

- H. Using a razer blade or exact-o knife put a small cut in the weather stripping to run the wire to the taillight plug on the bronco. Make the cut in the same area that the wires from the tailgate wiring loom are (*you will be using the loom to run the new wire to the tailgate*).
- I. Cut the plug off the wire provided (*it does not matter which plug end you remove as you will be removing the plug on the other end later*).
- J. Loosely install the plastic trim panel that goes by the hinges. Then run the wire the weather stripping and mark the panel with a marker.
- K. Remove the plastic trim panel and drill the hole with a 1/4" drill bit.



Section 3: Installation Instructions

Step 2: Wiring

- L. Loosely reinstall the plastic trim panel and run the wire through the newly made hole.
- M. Use the supplied connectors to tie into the wiring for the brake and running lights. Follow the diagram below.
- N. Cut off the plug on the other end of the supplied wire.



Bronco License Plate Lights

Taillight Loom

Provided Wiring

Blue w/ White Stripe - Running

Yellow

Blue w/ Brown Stripe - Brake

Red

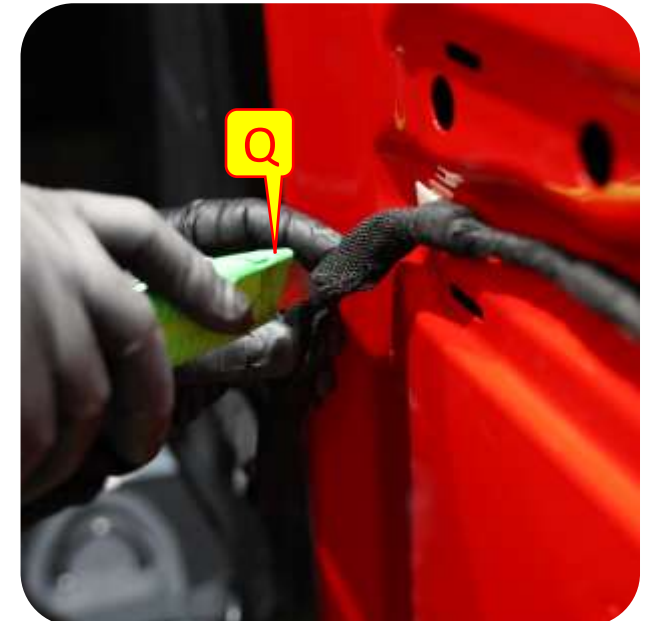
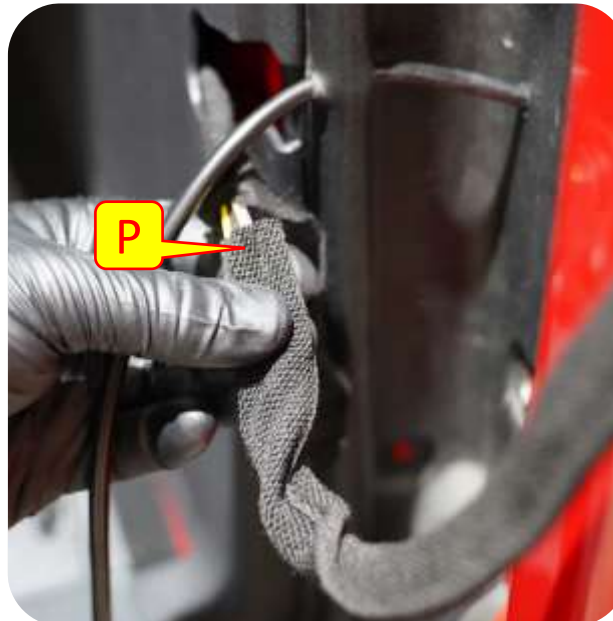
Black w/ White Stripe - Ground

Black

Section 3: Installation Instructions

Step 2: Wiring

- O. Pull the two plastic covers off the tailgate to access the wires behind them.
- P. Cut a small hole in the loom that runs to the tailgate. You will run the new wire in the loom to get it over to the tailgate cleanly.
- Q. Cut another small hole in the loom on the tailgate side to pull the new wire back out of the loom.
- R. Feed the new wire into the first hole in the loom and back out the second hole.



Section 3: Installation Instructions

Step 2: Wiring

- S. Using a 13mm socket loosen the eight spare tire mount bolts.
- T. Next use the second supplied wire; the wire that has a short side and long side (*the short side will be used on the license plate end*).
- U. Run the long end of the wire to the rubber gromet that the factory wires come through the tailgate. Leave about 18" – 20" of wire from the tailgate to the new license plate mount.
- V. You will need to drill a 1/4" hole in the gromet next to the factory wires.

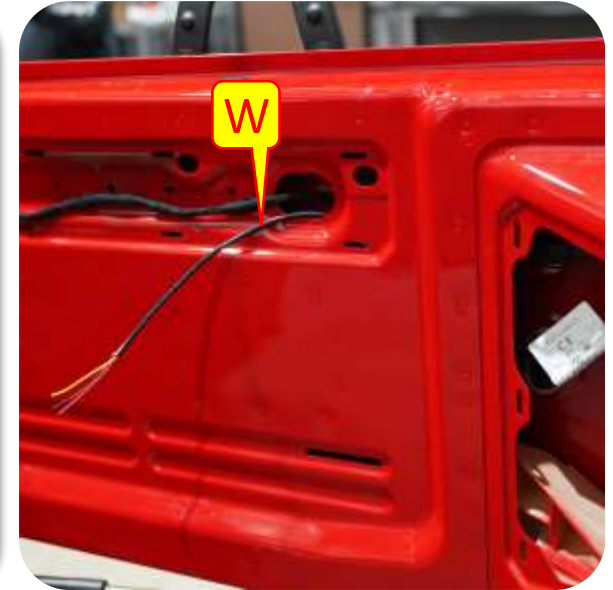


Section 3: Installation Instructions



Step 2: Wiring

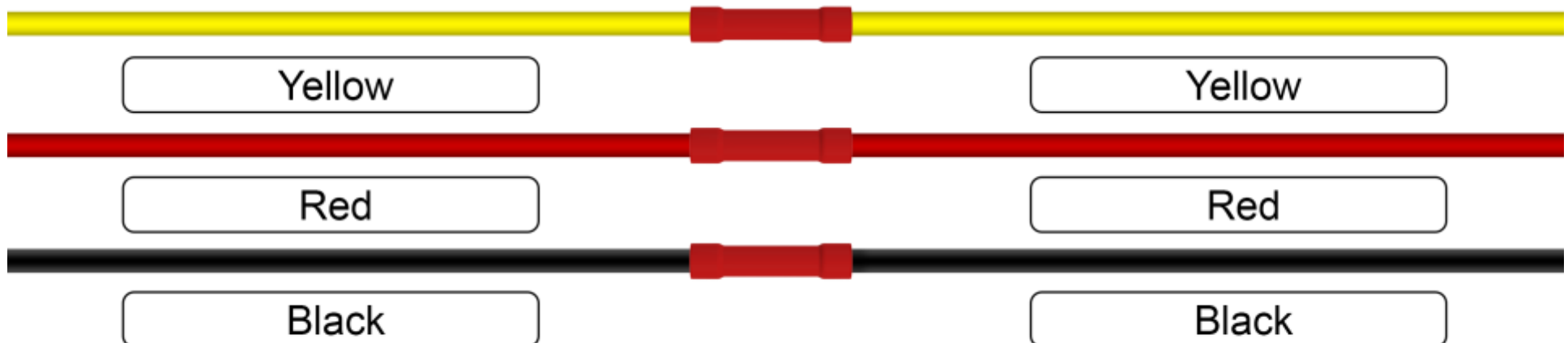
- W. Run the wire through the hole and follow the stock shock wiring to the middle of the tailgate.
- X. Use the supplied connectors and connect the wires together. Follow the diagram below.
- Y. Zip tie the wires to the factory wiring.
- Z. Reinstall the plastic covers on the tailgate.



Bronco License Plate Lights

Taillight Extended Wiring

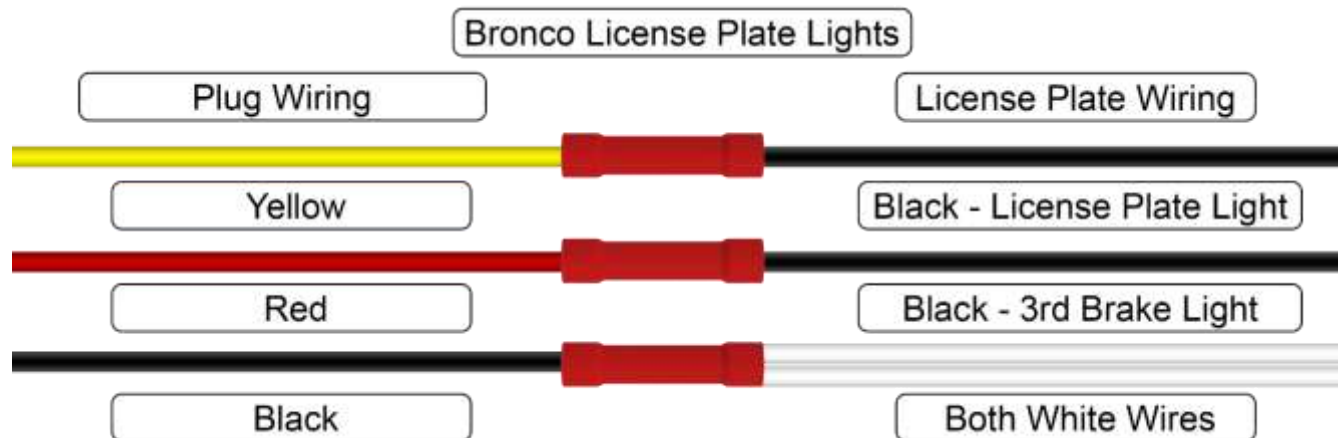
License Plate



Section 3: Installation Instructions

Step 3: License Plate Mount Installation

- AA. Install the third brake light onto license plate mount.
- BB. Using the provided hardware install the license plate light onto the license plate mount and tighten the hardware using a 7/16" socket and Philips head screwdriver.
- CC. Splice the brake light and license plate light wiring to the short plug wire provided. Follow the diagram below for wiring.



Section 3: Installation Instructions



Step 3: License Plate Mount Installation

- DD. Install the spare tire and the provided lug stand-offs (*BOM#1*) (*DD1*) to attach the license plate mount base (*BOM #3*) using the provided hardware (*DD2*).
- EE. Install the license plate mount to the base using the provided washer and thumb screw knob. Alternatively, you can use the supplied serrated flange head bolt for additional security
- FF. Install license plate to the license plate mount.
- GG. Check the lights to make sure they are working properly.



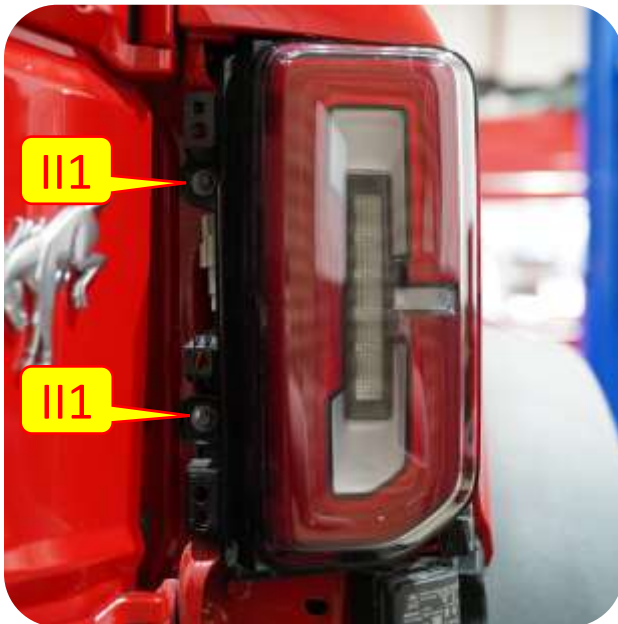
Section 3: Installation Instructions

Step 4: Taillight Installation

HH. Reconnect the taillight and reinstall the taillight.

II. Use an 8mm socket to reinstall the two bolts on the side of the taillight (II1) and a 10mm socket to install the one bolt on the side of the taillight (II2).

JJ. Install the trim panel.



Section 3: Installation Instructions

Step 4: Taillight Installation

- KK. Use a 10mm deep socket to remove the two bolts from the trim panel
- LL. Using a Phillips head screwdriver tighten the 4 plastic rivet nuts on the trim panel inside by the tailgate hinges.
- MM. Reinstall the body panel under the passenger side taillight.
- NN. Twist the lever under the fender flare to release the back of the flare from the body and pull flare away.

