



BRIGHT IS ONLY THE BEGINNING

# INSTALL GUIDE

## XB LED TAIL LIGHTS: FORD SUPER DUTY (2023+)

LF352/LF353



WARNING: IT IS THE INSTALLERS RESPONSIBILITY TO CONFIRM COMPLIANCE WITH STATE AND LOCAL LAWS. 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.

IMPORTANT: IF YOUR VEHICLE IS EQUIPPED WITH ANYTHING BUT MORIMOTO OR OEM TAILLIGHTS, SIDE MARKERS OR OTHER OEM EXTERIOR LIGHTING; YOU MAY EXPERIENCE A HYPER FLASH AND/OR PROBLEMS WITH THE SEQUENTIAL SIGNAL SETTING ON THESE HEADLIGHTS. THIS IS NOT A DEFECT IN THE HEADLIGHT AND CAUSED BY UN-MATCHED IMPEDANCE WITH YOUR ORIGINAL VEHICLE SETTINGS.



# **XB LED TAIL LIGHTS: FORD SUPER DUTY (2023+)**

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## **WHAT'S INCLUDED**



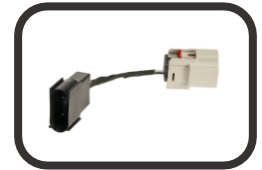
**2X (PAIR) TAIL LIGHT HOUSINGS**



**2X TAIL LIGHT HARNESSES**



**2X RESISTOR HARNESSES**



**2X INCANDESCENT REVERSE HARNESSES**



**2X ALCOHOL PADS**



**4X STEEL MAGNET MOUNT PLATES**



**4X MAGNET-MOUNTED RESISTORS**

## **OPTIONAL ADD-ONS**



**1X BACKUP LIGHT BOOST BAR (LED700)**

## **REQUIRED TOOLS**

- **RATCHET**
- **8MM SOCKET**
- **PHILLIPS HEAD SCREWDRIVER**
- **T20 TORX DRIVER**



# DISASSEMBLY

THIS DOCUMENT IS MEANT TO SERVE AS A GENERAL GUIDE FOR VEHICLE DISASSEMBLY AND PRODUCT INSTALLATION. WHILE WE TRY TO COVER THE PROCESS AS THOROUGHLY AS POSSIBLE, YOUR EXPERIENCE MAY DIFFER SLIGHTLY DUE TO DIFFERENCES BETWEEN YEARS, TRIM PACKAGES, OPTIONS, OR AFTERMARKET PARTS INSTALLED.

VEHICLE USED IN THIS GUIDE:

2023 FORD F250 SUPER DUTY LARIAT/TREMOR

1. LOWER THE TAILGATE OF THE VEHICLE
2. REMOVE THE TWO 8MM BOLTS THAT SECURE THE TAIL LIGHT TO THE VEHICLE

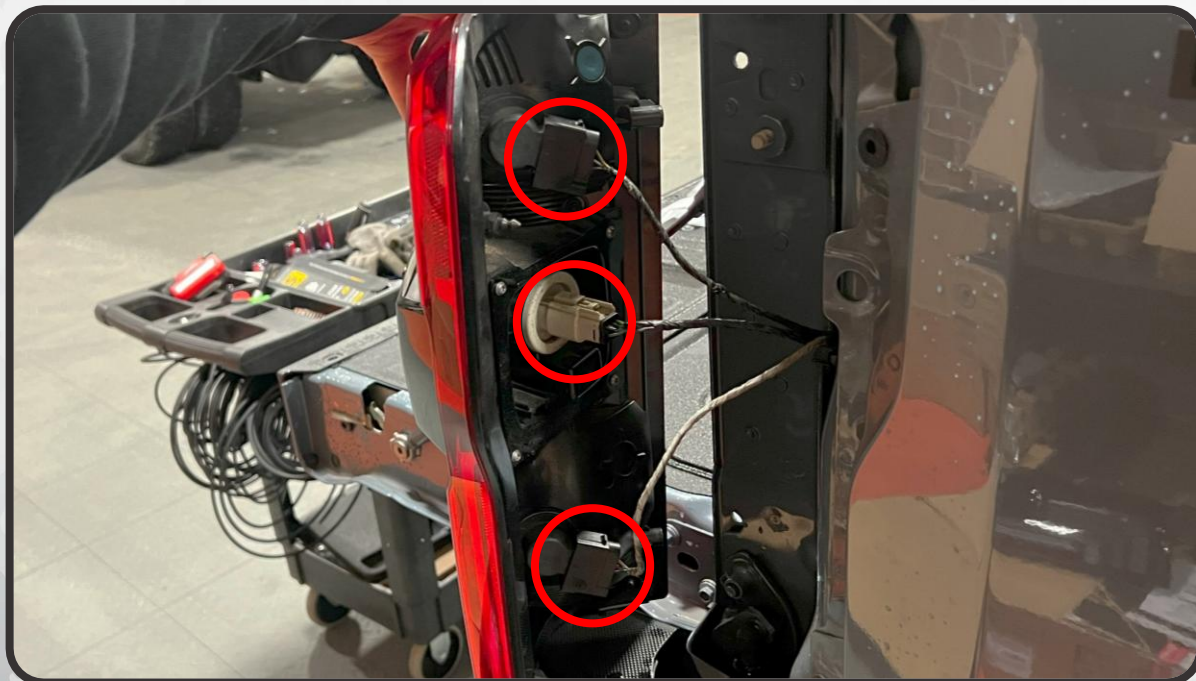


## DISASSEMBLY

3. WITH THE HARDWARE REMOVED, PULL THE TAIL LIGHT TOWARDS YOURSELF, AWAY FROM THE TRUCK



4. WITH THE TAIL LIGHT HOUSING RELEASED FROM THE VEHICLE, DISCONNECT THE THREE PLUGS FROM THE BACK OF THE HOUSING AND SET THE HOUSING ASIDE



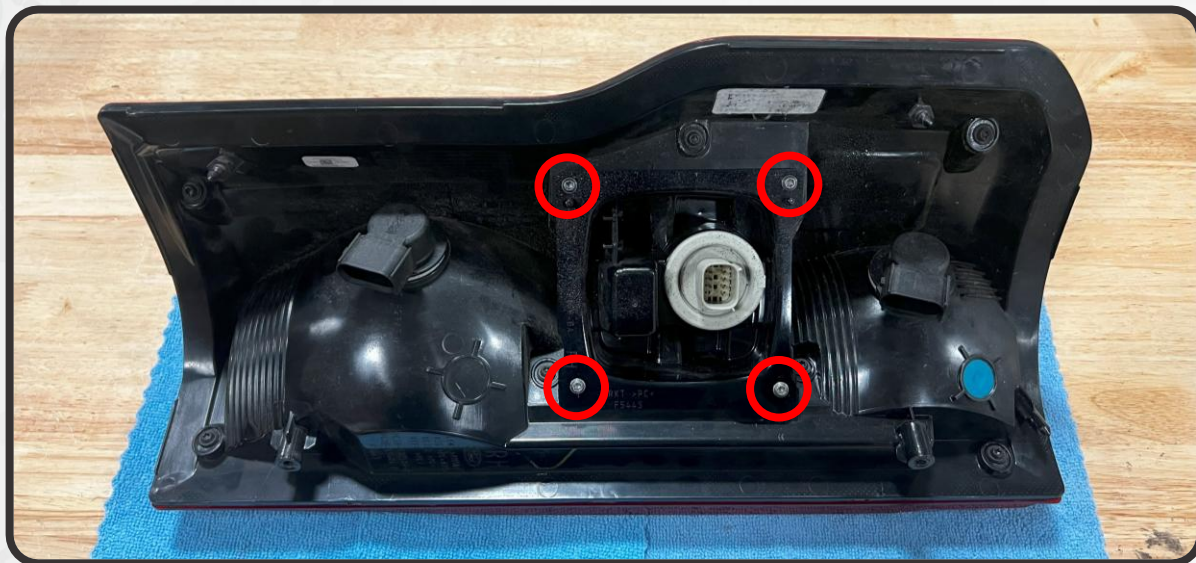
5. REPEAT STEPS 2-4 ON THE OPPOSITE SIDE OF THE TRUCK



## BLIS RADAR SWAP

FOLLOW THE STEPS BELOW IF YOUR TRUCK IS EQUIPPED WITH BLIS BLINDSPOT RADARS IN THE TAIL LIGHTS. IF NOT, SKIP AHEAD TO PAGE 9

6. PLACE THE FACTORY TAIL LIGHT FACE DOWN ON A SOFT SURFACE TO PREVENT SCRATCHING THE LENS
7. REMOVE THE FOUR T20 TORX SCREWS THAT SECURE THE RADAR BRACKET TO THE ASSEMBLY

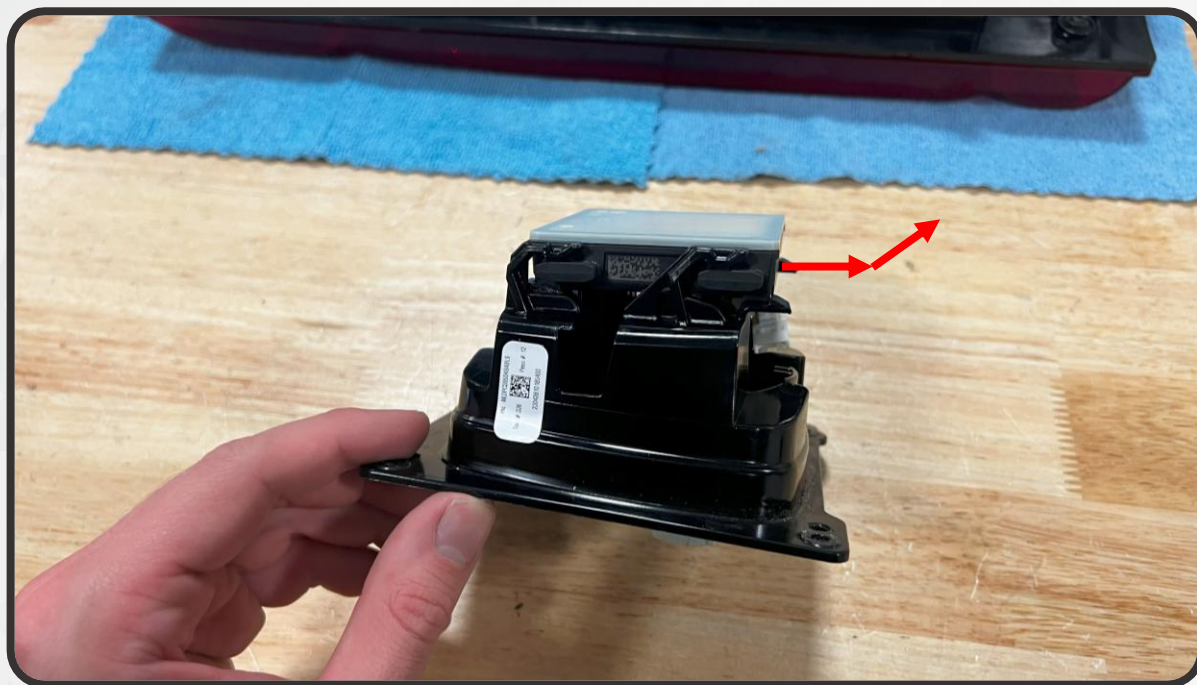


8. PULL THE RADAR BRACKET OUT AND DISCONNECT THE WHITE 2-PIN REVERSE CONNECTOR

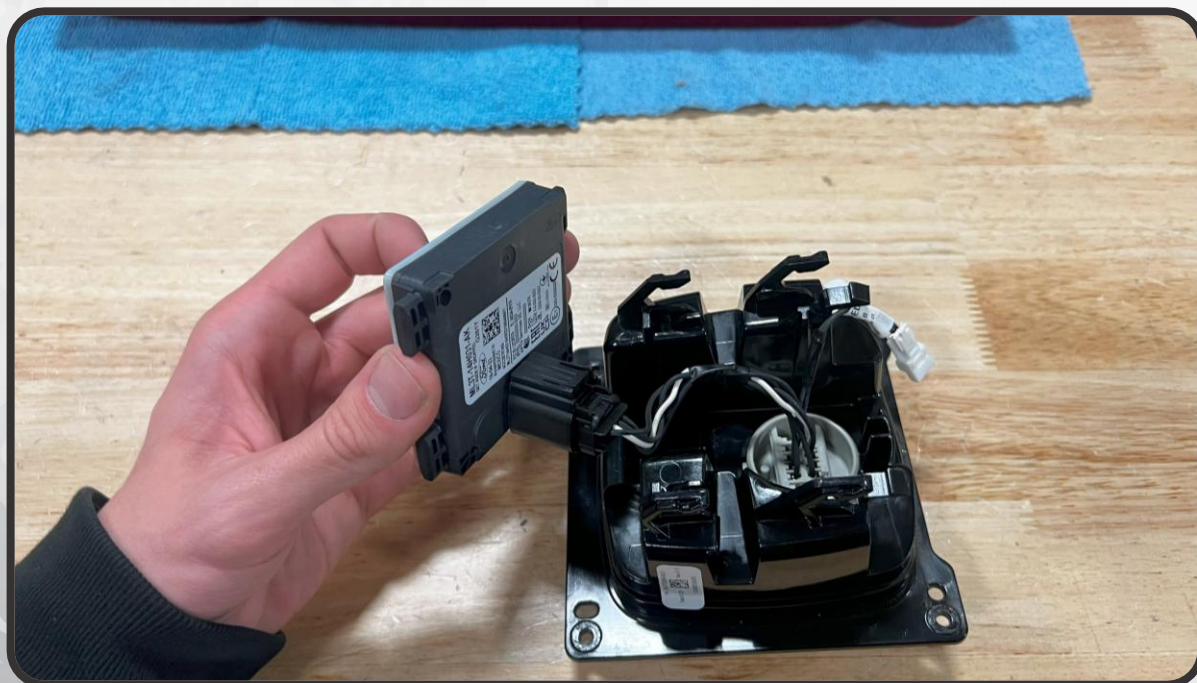


# BLIS RADAR SWAP

9. SLIDE THE RADAR MODULE OUT OF THE BRACKET

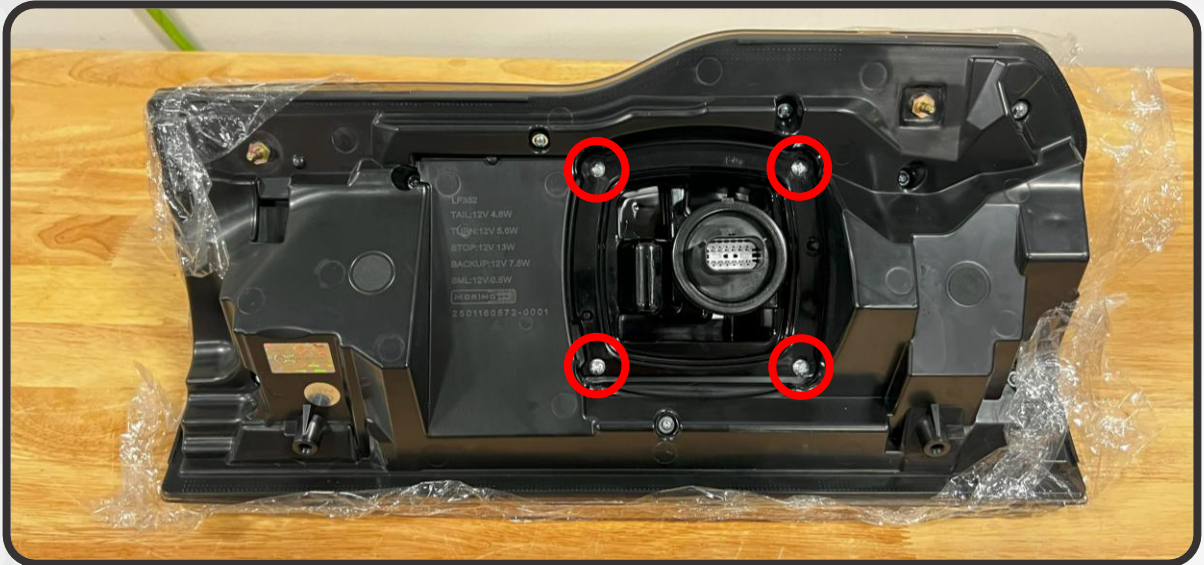


10. DISCONNECT THE RADAR MODULE FROM THE SUBHARNESS ON THE RADAR BRACKET. NOTE THE ORIENTATION OF THE RADAR MODULE IN RELATION TO THE BRACKET/TAIL LIGHT



# BLIS RADAR SWAP

11. SET THE RADAR MODULE AND STOCK TAIL LIGHT ASSEMBLY ASIDE
12. REMOVE THE XB TAIL LIGHT FROM THE PACKAGING AND SET IT FACE DOWN ON YOUR WORK SURFACE, AGAIN, MAKING SURE TO PROTECT THE LENS FROM SCRATCHING
13. USING A PHILLIPS HEAD SCREWDRIVER, REMOVE THE FOUR SCREWS THAT SECURE THE RADAR BRACKET TO THE TAIL LIGHT ASSEMBLY

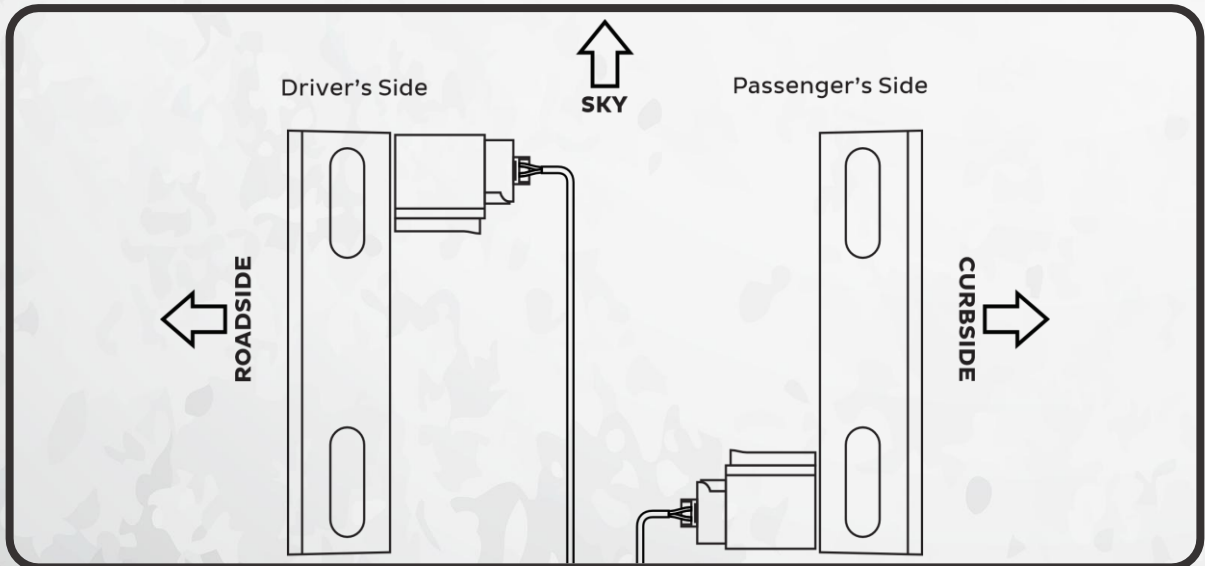


14. CONNECT THE RADAR MODULE TO THE SUBHARNES ON THE XB TAIL LIGHT RADAR BRACKET



## BLIS RADAR SWAP

15. INSTALL THE RADAR MODULE INTO THE BRACKET IN THE SAME ORIENTATION IT WAS IN ON THE STOCK TAIL LIGHT (REFERENCE IMAGE BELOW). MAKE SURE THAT THE RADAR MODULE IS FULLY CLIPPED INTO POSITION AND IS CENTERED ON THE BRACKET



16. REINSTALL THE BRACKET INTO THE TAIL LIGHT TIGHTENING THE SCREWS IN A STAR PATTERN. USE HAND TOOLS ONLY AND TIGHTEN UNTIL HAND-TIGHT
17. REPEAT STEPS 7-16 ON THE OPPOSITE TAIL LIGHT



## WIRING

18. USING THE PROVIDED ALCOHOL WIPES, CLEAN THE SHEET METAL BEHIND THE TAIL LIGHT IN THE TAIL LIGHT CAVITY



19. REMOVE THE BACKING FROM THE STEEL MAGNET MOUNT PLATES AND ADHERE THEM TO THE SHEET METAL AS SHOWN

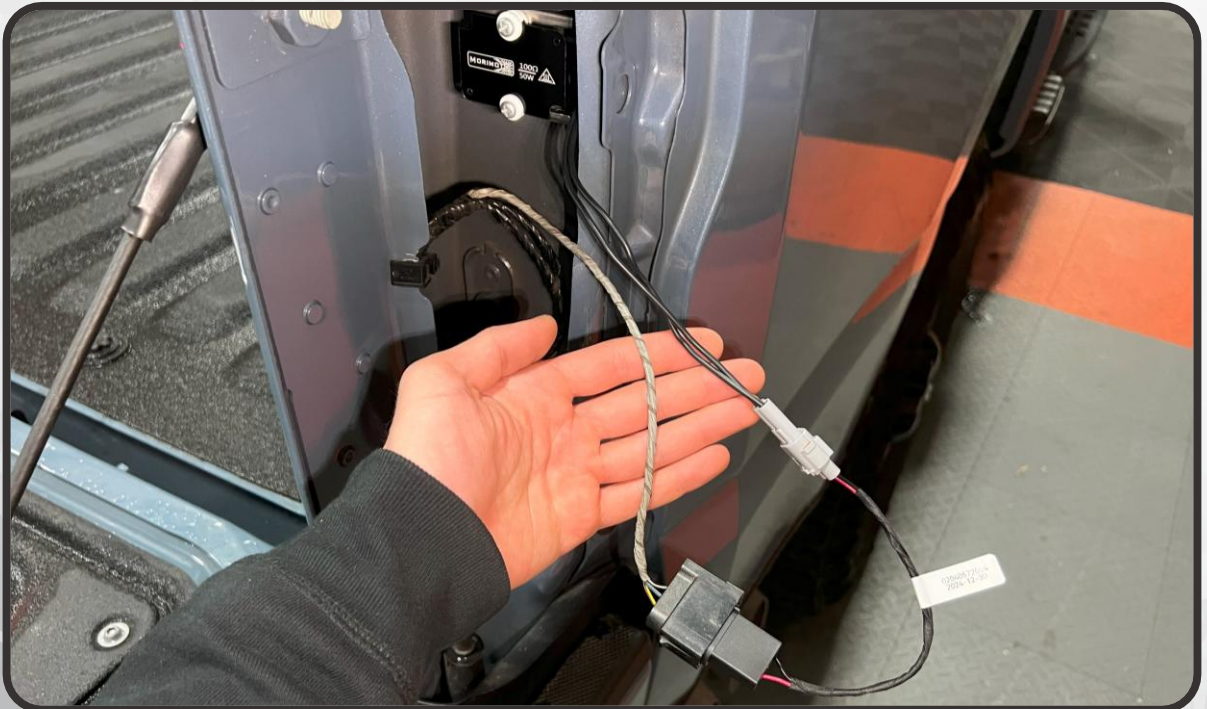


# WIRING

20. ATTACH TWO OF THE INCLUDED RESISTORS TO THE MOUNTING PLATES



21. USE THE RESISTOR HARNESS TO CONNECT ONE OF THE RESISTORS TO ONE OF THE FACTORY 3-PIN PARKING/BRAKE LIGHT CONNECTORS



## WIRING

22. CONNECT THE TAIL LIGHT HARNESS TO THE REVERSE/BLIS CONNECTOR AND THE REMAINING BRAKE/PARKING AND RESISTOR CONNECTORS, AS SHOWN. IF YOU HAVE INCANDESCENT REVERSE LIGHTS/NO BLIS, INSTALL THE INCLUDED INCANDESCENT REVERSE ADAPTER HARNESS INLINE BETWEEN THE FACTORY REVERSE PLUG AND THE MORIMOTO TAIL LIGHT HARNESS

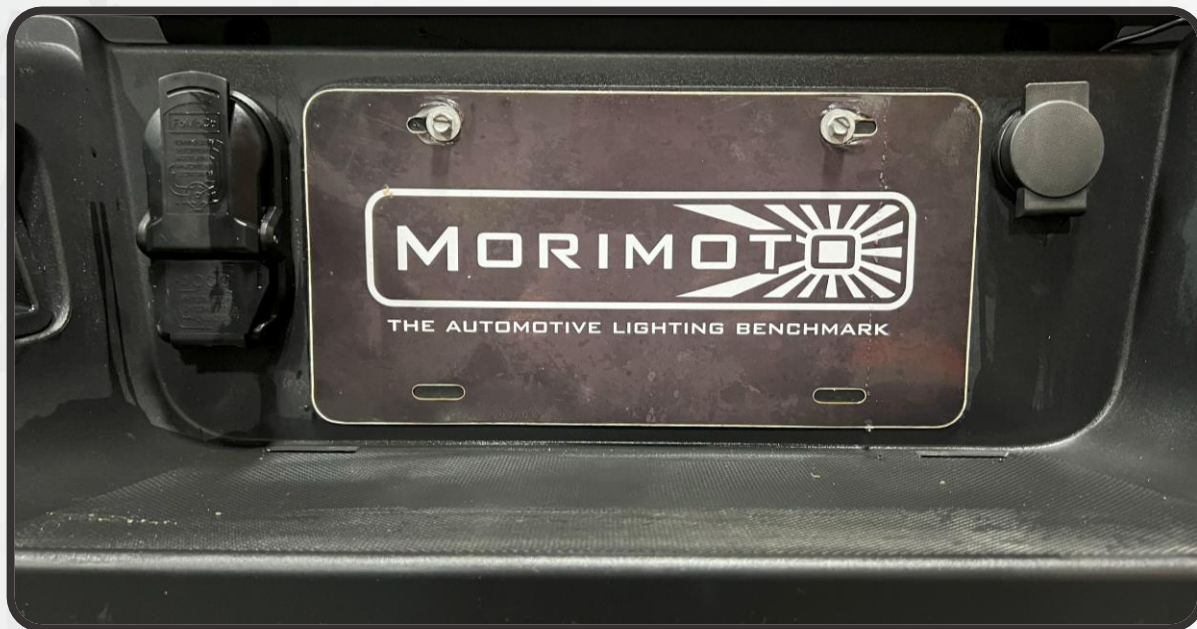


23. REPEAT STEP 22 ON THE OPPOSITE SIDE

## BOOST BAR INSTALLATION

FOLLOW THE STEPS BELOW IF YOU WILL BE INSTALLING THE OPTIONAL BACKUP LIGHT BOOST BAR (SOLD SEPARATELY). IF NOT, SKIP AHEAD TO PAGE 14

24. REMOVE THE TWO BOLTS THAT SECURE THE LICENSE PLATE TO THE REAR BUMPER

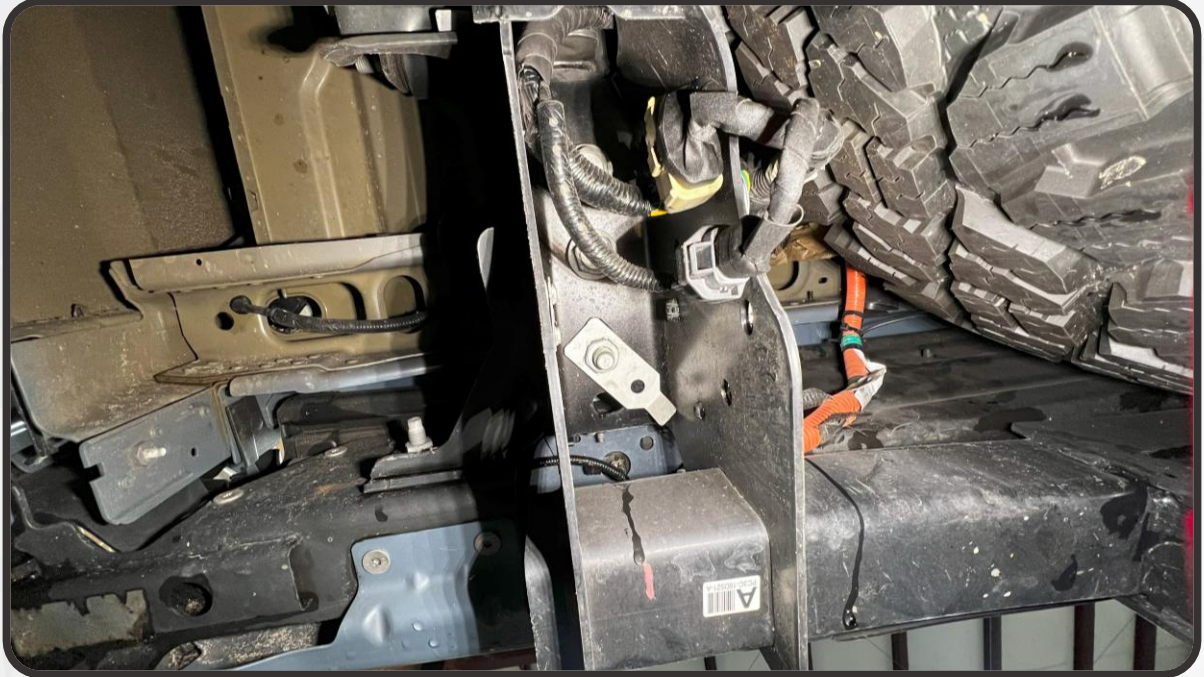


25. INSTALL THE BOOST BAR ONTO THE LICENSE PLATE AND REINSTALL THE LICENSE PLATE HARDWARE. ROUTE THE WIRE UP OVER THE REAR BUMPER



## BOOST BAR INSTALLATION

26. ROUTE THE WIRE TO THE PASSENGER SIDE OF THE TRUCK AND UP INTO THE TAIL LIGHT CAVITY. FOIT IS EASIEST TO FOLLOW THE EXISTING FACTORY HARNESS UNDER THE TRUCK, AND SECURE THE BOOST BAR WIRE TO IT USING ZIP TIES



27. CONNECT THE BOOST BAR WIRE TO THE MATCHING CONNECTOR ON THE TAIL LIGHT HARNESS. BUNDLE AND SECURE ANY LOOSE/EXCESS WIRING



# TAIL LIGHT INSTALLATION

28. CONNECT THE TAIL LIGHT TO THE TAIL LIGHT HARNESS AND FIT THE LIGHT INTO THE CAVITY. MAKE SURE THE STUDS ON THE SIDE OF THE LIGHT CLIP INTO PLACE



29. REINSTALL THE TWO FACTORY 8MM BOLTS THAT SECURE THE TAIL LIGHT TO THE VEHICLE. USE HAND TOOLS ONLY AND TIGHTEN UNTIL HAND-TIGHT. **NO UGGA DUGGAS**
30. REPEAT STEPS 28 AND 29 WITH THE OTHER TAIL LIGHT ON THE OPPOSITE SIDE OF THE TRUCK
31. GET IN THE VEHICLE AND CONFIRM THAT ALL FUNCTIONS ARE WORKING



PARKING



BRAKE/TURN  
SIGNAL



REVERSE

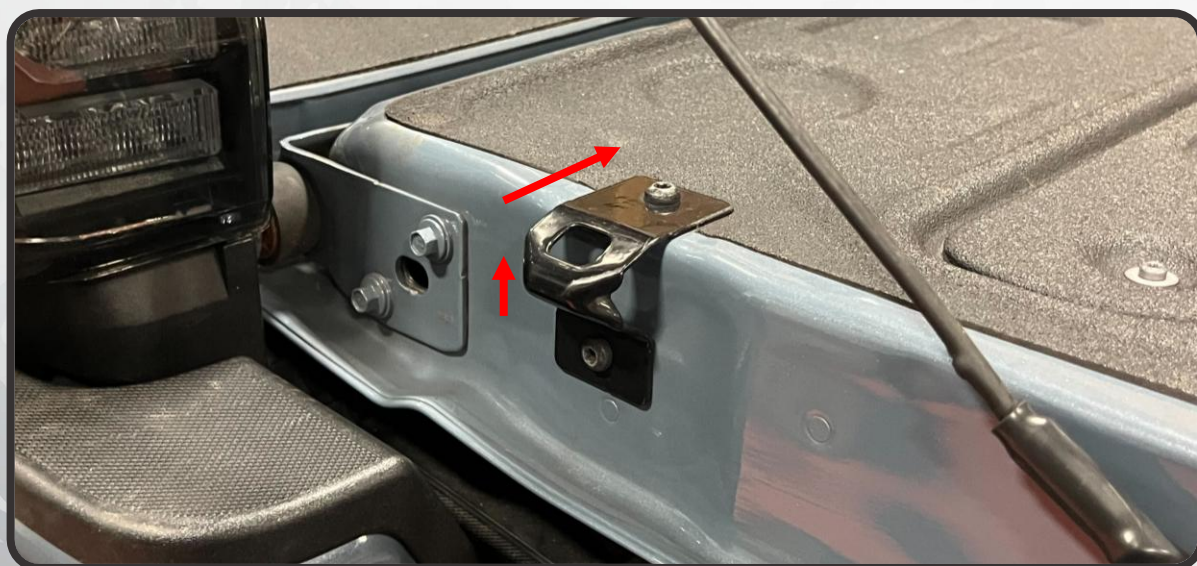


## TAIL LIGHT INSTALLATION

32. BEFORE CLOSING YOUR TAILGATE, LIFT THE TAILGATE UP SLOWLY AND CONFIRM THAT BOTH TAIL LIGHTS HAVE SUFFICIENT CLEARANCE TO THE BLACK BRACKETS ON THE SIDES OF THE TAILGATE



33. IF YOUR BRACKET(S) DOES NEED TO BE ADJUSTED, LOOSEN THE TWO T30 TORX SCREWS AND PUSH THE BRACKET UP AND INBOARD TO GAIN ADDITIONAL CLEARANCE. RETIGHTEN THE HARDWARE ONCE ADJUSTED. IF YOUR TAILGATE IS COATED WITH BEDLINER, THE BRACKET MAY NEED TO BE POPPED FREE FROM THE LINER. IF THE BRACKET IS STILL CONTACTING THE LIGHT EVEN AFTER ADJUSTING, REMOVE THE BRACKET FROM THE TAILGATE



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**- ENJOY YOUR NEW XB TAIL LIGHTS! -**

