



BRIGHT IS ONLY THE BEGINNING

# INSTALL GUIDE

## XBG LED GRILLE: 2023+ FORD SUPER DUTY

XBG37/XBG38



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.



# XBG LED GRILLE: 2023+ FORD SUPER DUTY

TABLE OF CONTENTS	PAGE
DISASSEMBLY -----	3
WIRING -----	10
GRILLE SETUP -----	12
INSTALLATION -----	15

## WHAT'S INCLUDED



1X GRILLE ASSEMBLY



1X INPUT HARNESS



1X DRL FUSE TAP HARNESS (OE HALOGEN TRUCKS ONLY)



2X GRILLE UPPER-CORNER MOUNTING STUDS/NUTS



2X (PAIR) COLOR SELECTOR PLUG CAPS

## REQUIRED TOOLS

- PRY TOOL
- RATCHET
- 4MM SOCKET
- 10MM SOCKET
- 13MM WRENCH



# 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.

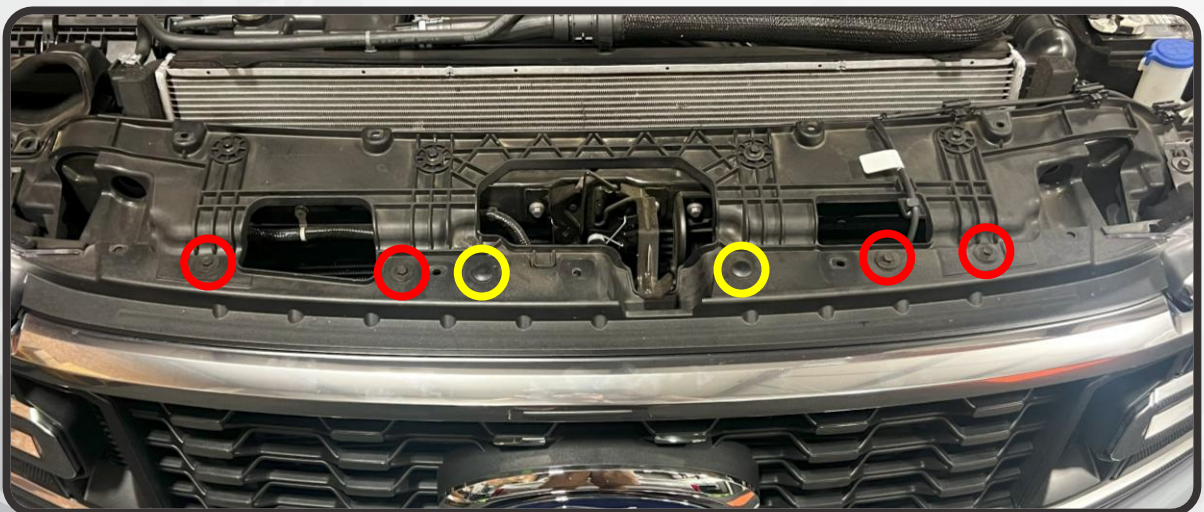
VEHICLE USED IN THIS GUIDE:

2024 FORD F450 SUPER DUTY LIMITED

1. RAISE THE HOOD OF THE VEHICLE
2. USING A TRIM REMOVAL PRY TOOL, REMOVE THE TWELVE PLASTIC PUSH CLIPS THAT SECURE THE PLASTIC RADIATOR SHROUD TO THE VEHICLE. REMOVE THEM BY FIRST PRYING UP THE CENTER PORTION, THEN PRYING OUT THE BODY OF THE CLIP. ONCE THE CLIPS ARE REMOVED, REMOVE THE SHROUD AND SET IT ASIDE



3. REMOVE THE FOUR 10MM SCREWS (RED) AND TWO PLASTIC PUSH CLIPS (YELLOW) FROM THE TOP OF THE GRILLE. THESE TWO CLIPS ARE CHRISTMAS TREE STYLE AND WILL REQUIRE SOME STRENGTH TO REMOVE, ESPECIALLY IF THIS IS THE FIRST TIME THE TRUCK HAS BEEN TAKEN APART

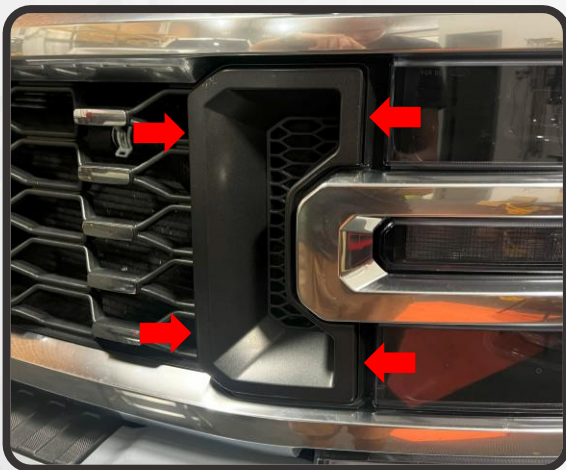


## DISASSEMBLY

4. REMOVE THE TWO (ONE PER SIDE) 10MM NUTS FROM THE BACKSIDE OF THE UPPER CORNERS OF THE GRILLE (MAY NOT BE PRESENT ON ALL TRIMS)



5. REMOVE THE TRIM COVERING THE LOWER GRILLE BOLT ON EITHER SIDE. THE STYLE OF THE TRIM WILL VARY DEPENDING ON YOUR FACTORY GRILLE



PRY THE TRIM LOOSE BY RELEASING THE FOUR CLIPS THAT SECURE THE TRIM TO THE GRILLE



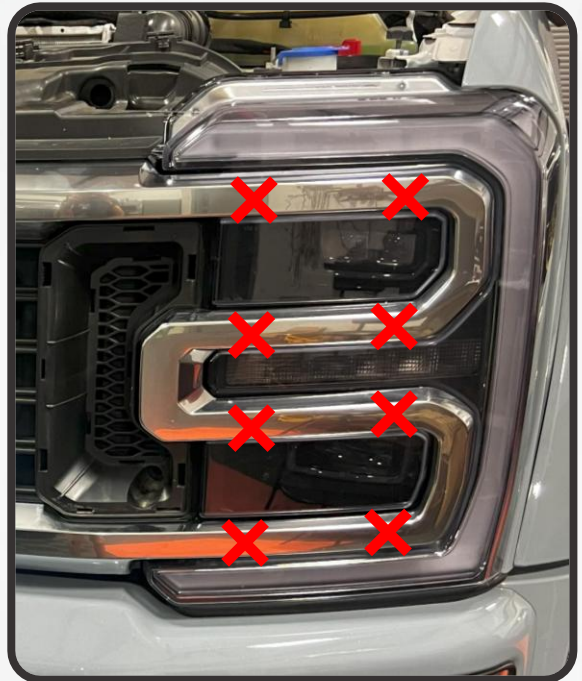
USING A FLAT HEAD SCREWDRIVER OR PRY TOOL, PRY LOOSE THE PLASTIC BOLT COVER

6. REMOVE THE 10MM LOWER GRILLE BOLT ON EITHER SIDE OF THE TRUCK

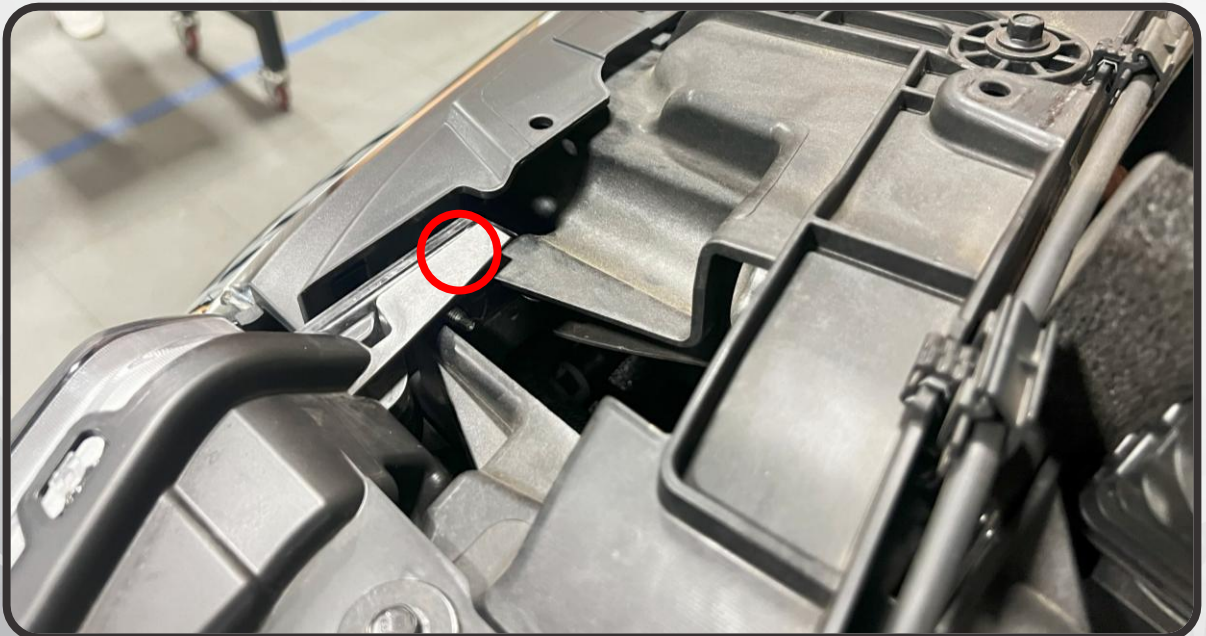


## DISASSEMBLY

7. USING A PLASTIC PRY TOOL, CAREFULLY PRY THE ENDS OF THE GRILLE OUT AWAY FROM THE HEADLIGHT TO RELEASE THE CLIPS THAT SECURE THEM TOGETHER. THERE ARE EIGHT CLIPS PER HEADLIGHT, MARKED IN THE IMAGE BELOW. WE RECOMMEND PLACING SOME PAINTERS TAPE ON THE HEADLIGHT LENS TO PRY AGAINST AND PROTECT THE LENS FROM DAMAGE



8. REMOVE THE TWO (ONE PER SIDE) 10MM NUTS FROM THE BACKSIDE OF THE UPPER CORNERS OF THE GRILLE (MAY NOT BE PRESENT ON ALL TRIMS)



## DISASSEMBLY

9. GRAB ONTO THE GRILLE WITH BOTH HANDS AND FIRMLY PULL FORWARD TO REMOVE THE GRILLE FROM THE TRUCK. THERE WILL BE FOUR CLIPS ALONG THE BOTTOM OF THE GRILLE THAT WILL RELEASE AS YOU DO. ONLY PULL THE GRILLE FAR ENOUGH FORWARD TO RELEASE THE CLIPS, AS THERE MAY BE (DEPENDING ON TRIM) ADDITIONAL WIRING TO DISCONNECT BEHIND THE GRILLE



10. DISCONNECT THE FRONT CAMERA WIRING AND WASHER HOSE (IF EQUIPPED) AND SET THE GRILLE ASIDE, FACE DOWN, ON A PADDED WORK BENCH OR PANEL STAND

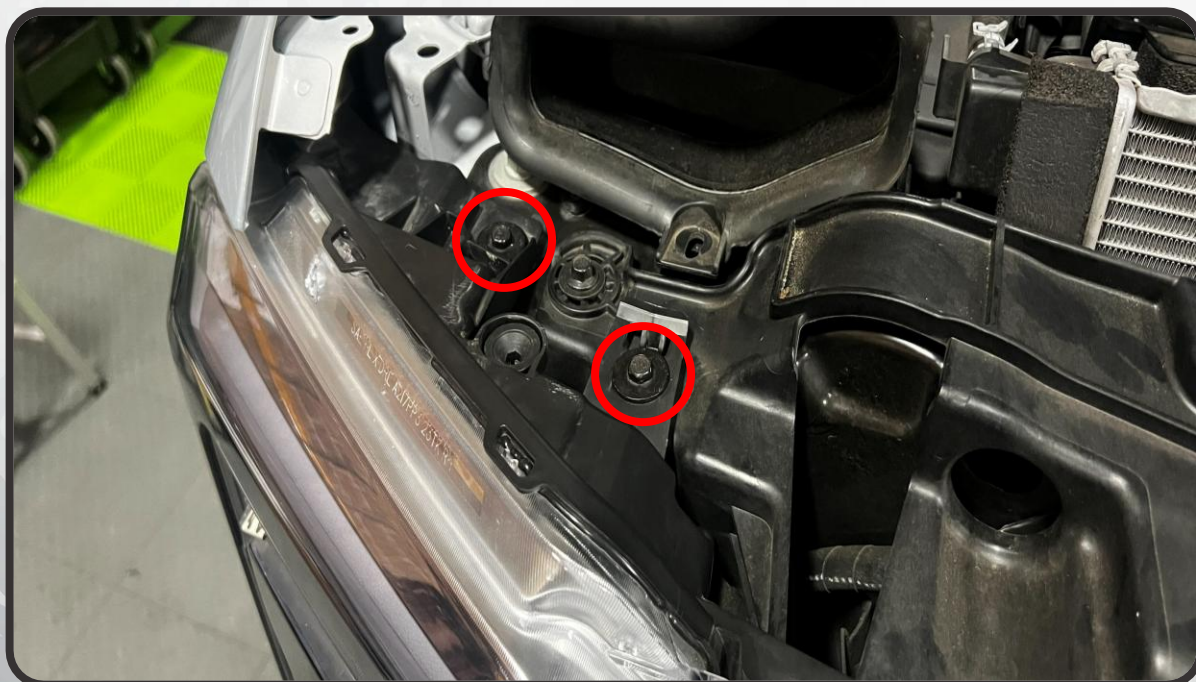


## DISASSEMBLY

11. REMOVE THE FOUR METAL GRILLE CLIPS FROM THE RADIATOR SUPPORT AND SET THEM ASIDE. SOME OF THEM MAY STAY ON THE STOCK GRILLE DURING REMOVAL

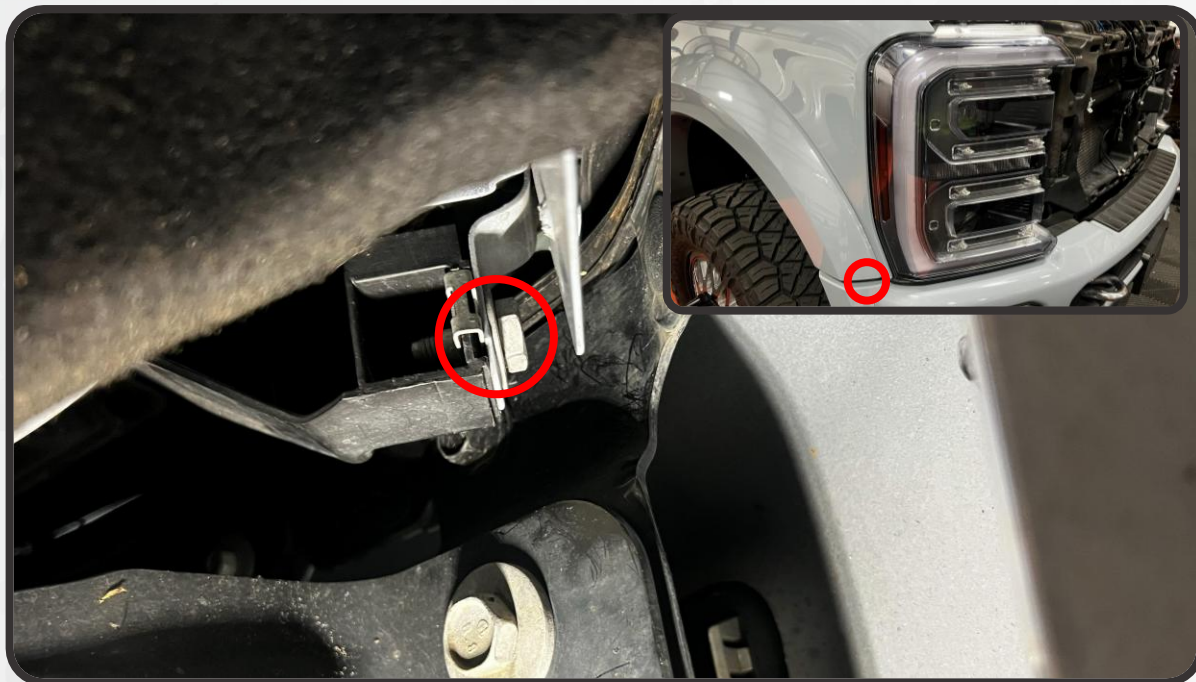


12. REMOVE THE TWO 10MM BOLTS THAT SECURE THE TOP OF THE PASSENGER SIDE HEADLIGHT

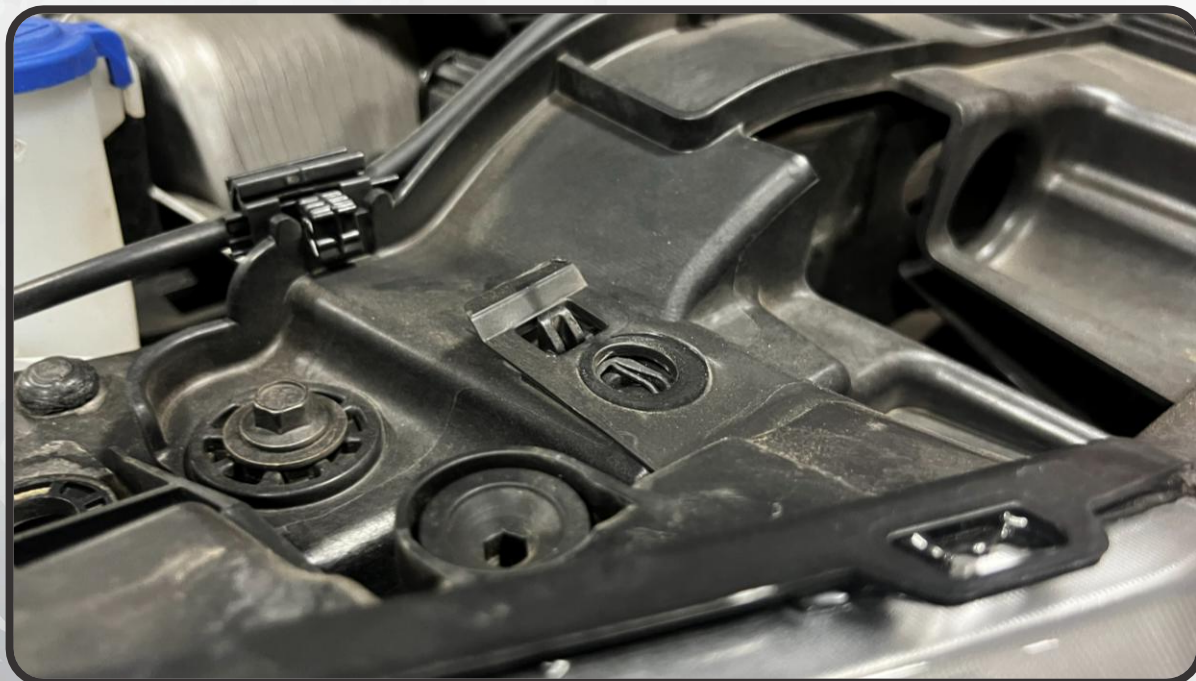


## DISASSEMBLY

13. REACH BEHIND THE FENDER/BUMPER AND USE A 13MM WRENCH TO REMOVE THE 13MM BOLT THAT SECURES THE LOWER CORNER OF THE HEADLIGHT ASSEMBLY



14. LIFT SLIGHTLY UP ON THE TAB ON THE TOP OF THE HEADLIGHT ASSEMBLY AND BEGIN TO PULL THE HOUSING FORWARD



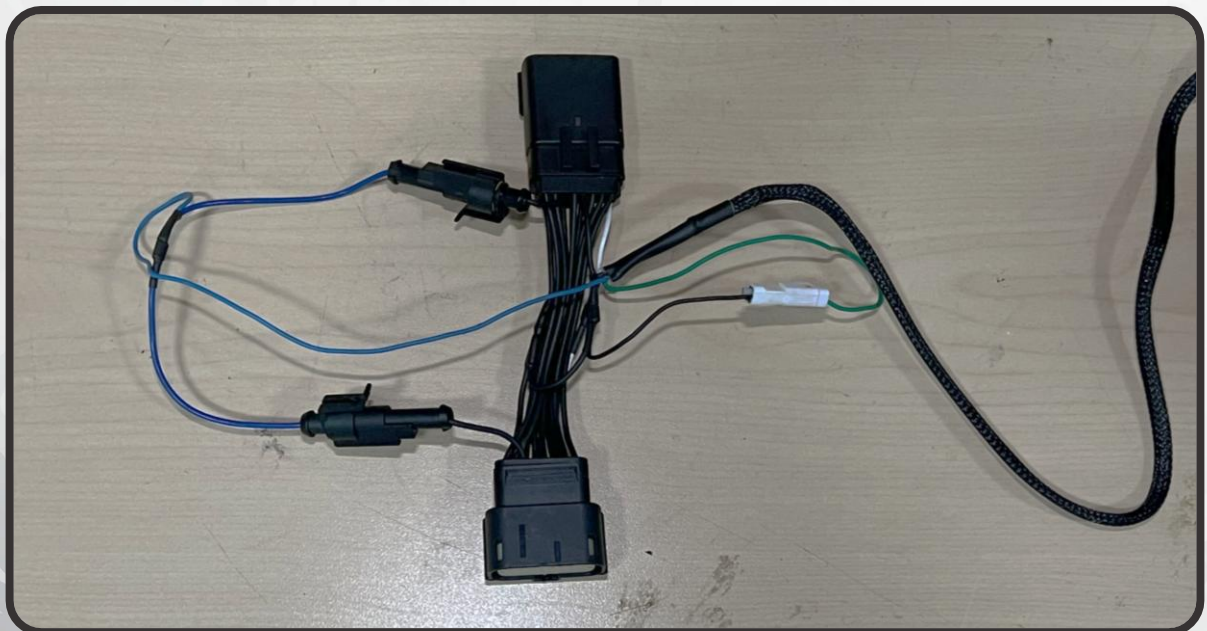
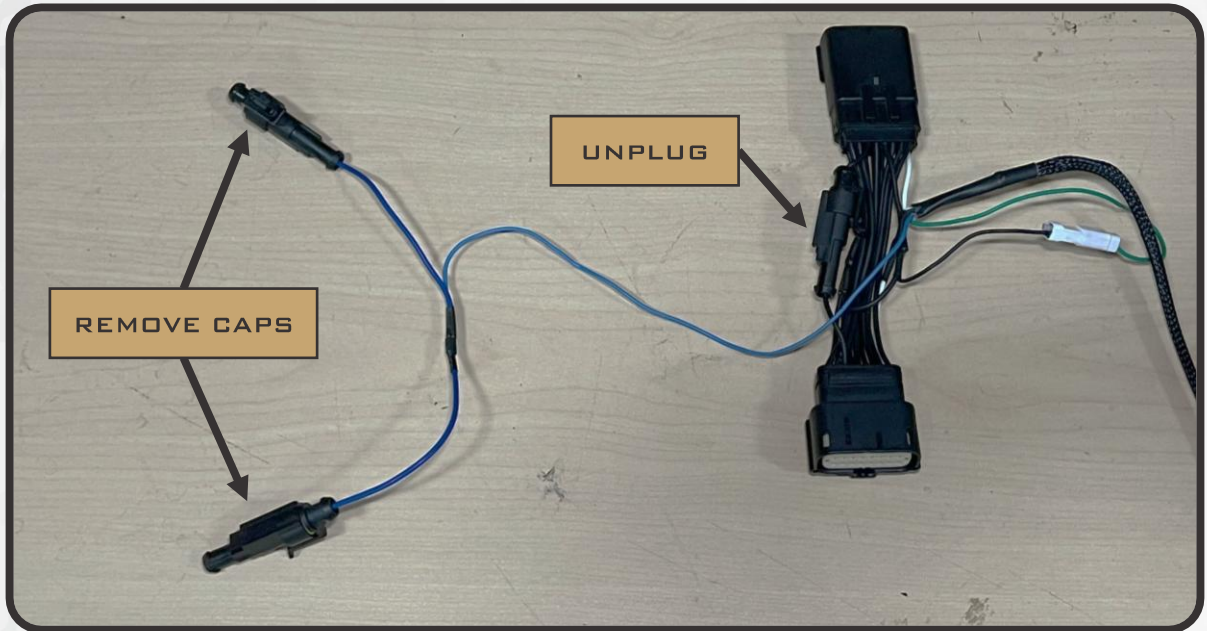
## DISASSEMBLY

15. PULL THE HEADLIGHT ASSEMBLY FORWARD AND OUT OF THE CAVITY. THE FIT IS TIGHT, SO IT WILL TAKE SOME MANEUVERING TO REMOVE FROM THE VEHICLE. DISCONNECT THE HEADLIGHT WIRING FROM THE BACK OF THE ASSEMBLY AND SET THE HEADLIGHT HOUSING ASIDE



## WIRING

16. REMOVE THE INCLUDED INPUT HARNESS FROM THE PACKAGING. FOR OE LED HEADLIGHT EQUIPPED TRUCKS, REMOVE THE CAPS FROM THE TWO SINGLE PIN AMP CONNECTORS ON THE BLUE WIRE, AND UNPLUG THE TWO CONNECTED AMP CONNECTORS ON THE BLACK WIRES. THEN, CONNECT EACH OF THE BLUE WIRES TO THE MATCHING BLACK WIRES

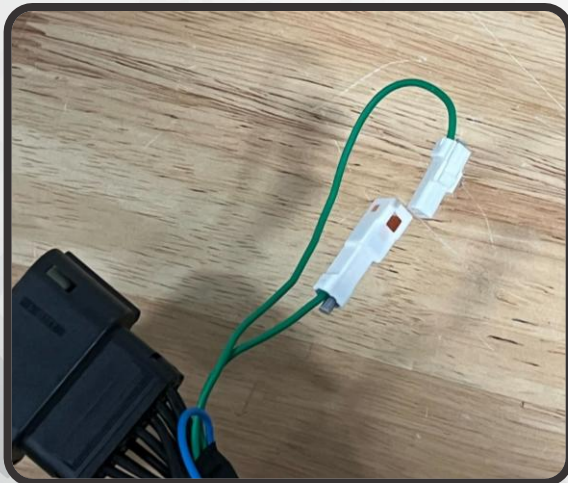


## WIRING

17. CONNECT THE INPUT HARNESS TO THE OEM HEADLIGHT CONNECTION. ROUTE THE LONG END OF THE HARNESS ACROSS THE BUMPER TO THE CENTER OF THE VEHICLE (TO BE CONNECTED TO THE GRILLE LATER)



18. USE THE WHITE CONNECTOR ON THE GREEN WIRE SHOWN TO SWAP BETWEEN WHITE AND AMBER LIGHTS ON THE GRILLE. LEAVE THE CONNECTORS UNPLUGGED FOR WHITE, OR PLUGGED IN FOR AMBER. IF LEAVING DISCONNECTED, THE PROVIDED PLUG CAPS CAN BE INSTALLED TO PREVENT DIRT/WATER INTRUSION IN THE CONNECTORS



WHITE

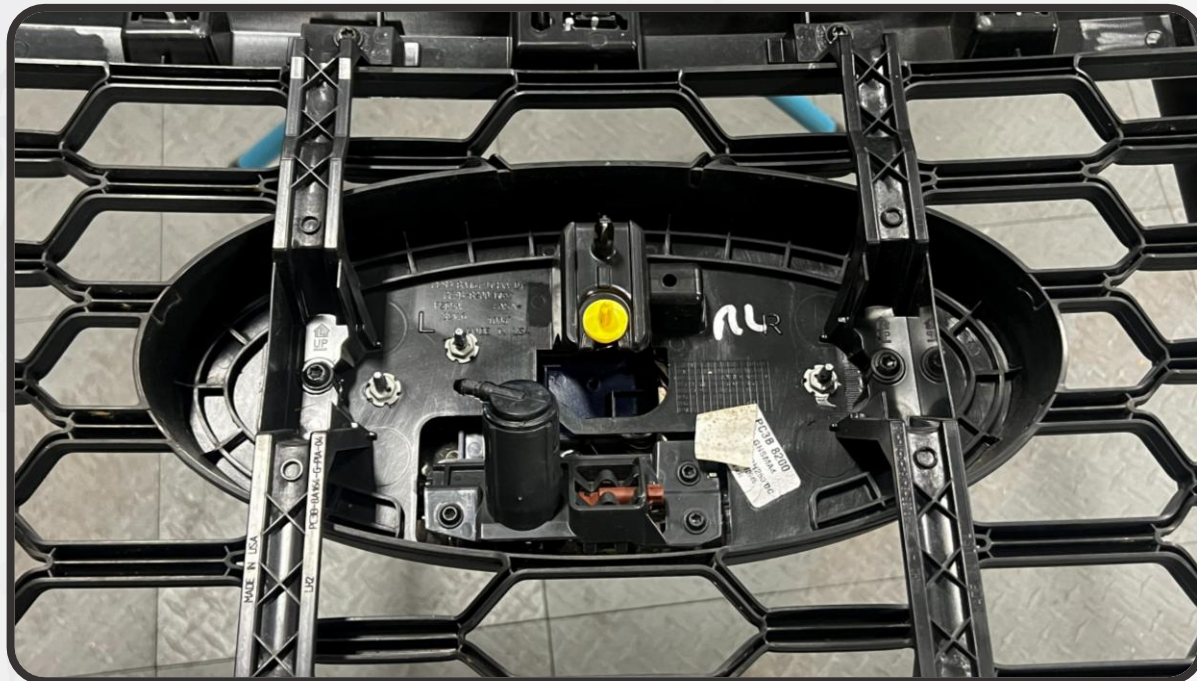


AMBER

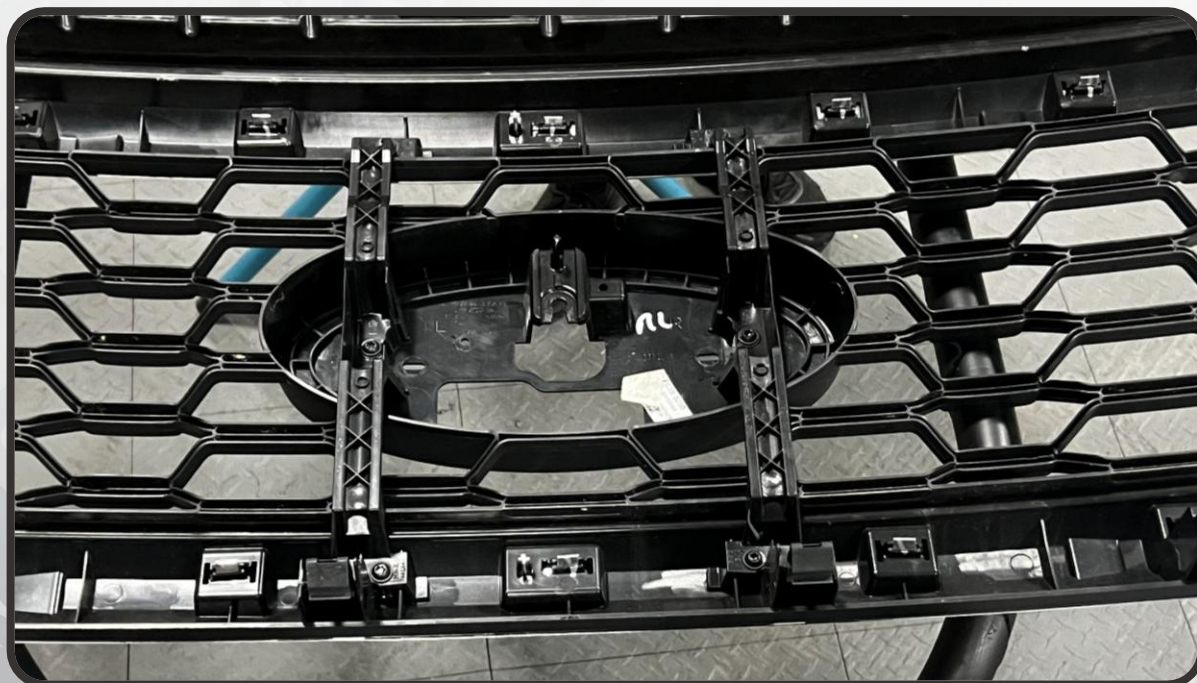


## GRILLE SETUP

19. MOVING TO THE FACTORY GRILLE, REMOVE THE THREE 10MM NUTS THAT SECURE THE EMBLEM. IF YOUR TRUCK IS EQUIPPED WITH THE FRONT CAMERA AND WASHER, REMOVE THOSE AS WELL



20. TRANSFER THE EMBLEM, CLIP, WASHER, AND CAMERA OVER TO THE NEW GRILLE AND INSTALL USING THE OE HARDWARE



## GRILLE SETUP

21. INSTALL THE FOUR METAL LOWER GRILLE CLIPS THAT YOU REMOVED FROM THE VEHICLE/OE GRILLE AND INSTALL THEM ONTO THE FOUR POINTS ON THE NEW GRILLE AS SHOWN

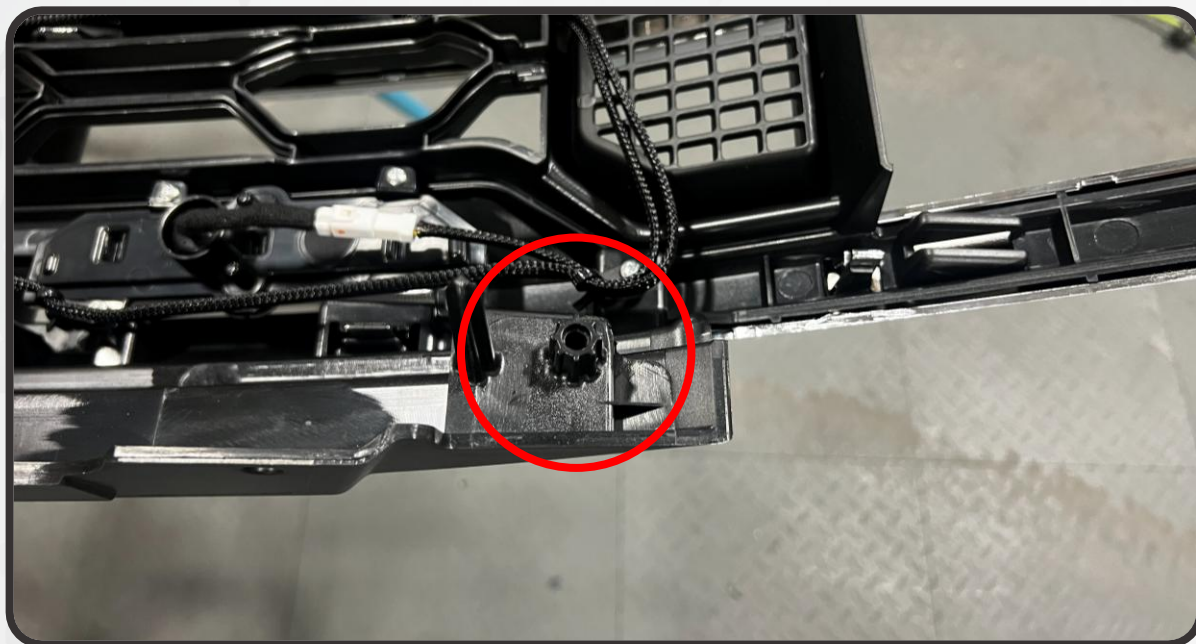


22. REMOVE THE LOWER GRILLE BOLT COVER PANELS FROM THE NEW GRILLE BY PUSHING IN THE TAB AND PUSHING OUT FROM THE BACK



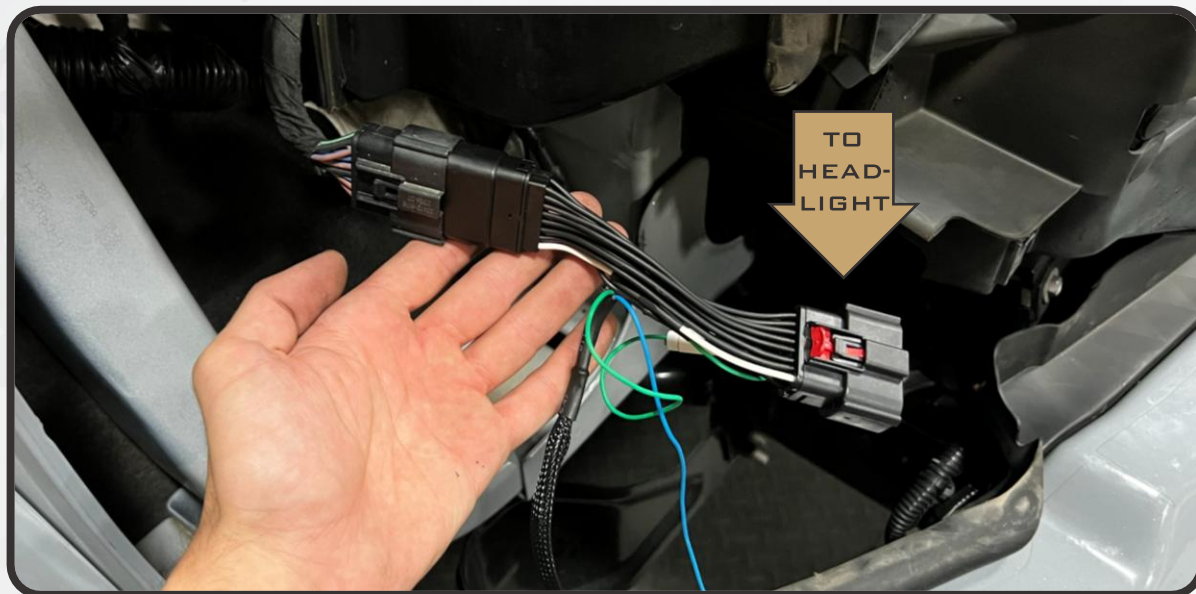
## GRILLE SETUP

23. IF YOUR OE GRILLE CAME EQUIPPED WITH THE UPPER CORNER STUDS (MENTIONED ON PAGE 5, STEP 4), INSTALL THE PROVIDED STUDS, USING A 4MM SOCKET, INTO THE HOLE ON EITHER SIDE. HAND TIGHTEN ONLY



## INSTALLATION

24. LIFT THE HEADLIGHT HOUSING UP TO THE VEHICLE AND CONNECT THE GRILLE HARNESS HEADLIGHT OUTPUT TO THE BACK OF THE HEADLIGHT HOUSING. ONCE CONNECTED, FIT THE HEADLIGHT BACK INTO THE HEADLIGHT CAVITY AND SECURE THE LIGHT USING THE OE HARDWARE

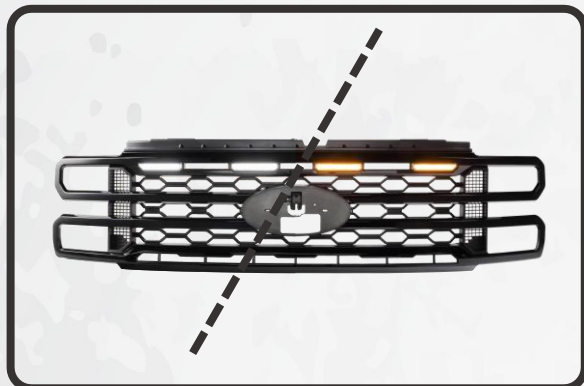


25. LIFT THE GRILLE UP TO THE VEHICLE AND CONNECT THE GRILLE HARNESS TO THE INPUT CONNECTOR ON THE GRILLE. CONNECT THE FRONT CAMERA AND WASHER AS WELL IF EQUIPPED. FIT THE GRILLE ONTO THE TRUCK AND LOOSLY INSTALL THE OE HARDWARE TO SECURE THE GRILLE ON THE TRUCK

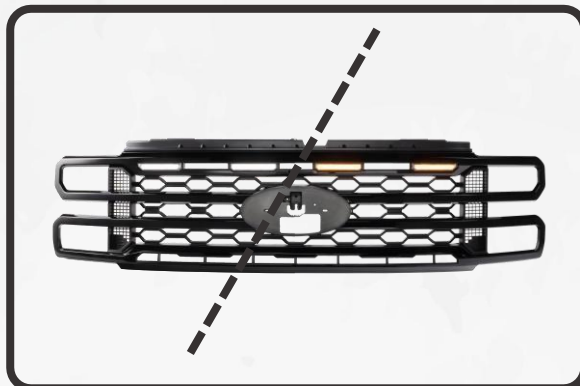


# INSTALLATION

26. GET IN THE VEHICLE AND TEST ALL FUNCTIONS TO ENSURE THE GRILLE IS FUNCTIONING PROPERLY



DAYTIME RUNNING  
LIGHT (BRIGHT)



PARKING LIGHT  
(DIMMED)

27. FULLY TIGHTEN ALL OF HARDWARE ON THE GRILLE. ENSURE THE FOUR CLIPS ALONG THE BOTTOM OF THE GRILLE ARE CLIPPED INTO PLACE, AS WELL AS THE CLIPS ON THE HEADLIGHT LENS. INSTALL THE LOWER GRILLE BOLT COVER PANELS BACK ONTO THE GRILLE



28. REASSEMBLE THE REST OF THE VEHICLE IN THE REVERSE ORDER OF DISASSEMBLY. ENSURE ALL LOOSE WIRING IS TUCKED/SECURED



# XBG LED GRILLE: 2023+ FORD SUPER DUTY



**- ENJOY YOUR NEW MORIMOTO XBG GRILLE! -**

