



BRIGHT IS ONLY THE BEGINNING

# INSTALL GUIDE

## XB LED HEADLIGHTS: JEEP GRAND CHEROKEE (14-22) (SET / GEN II)

LF279



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.



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## **WHAT'S INCLUDED**



**2X (PAIR)  
HEADLIGHTS**



**4X PAIRS OF MODE  
SELECTORS**



**2X MODE SELECTOR  
HARNESSES**



**2X HALOGEN ADAPTER  
HARNESSES**



**2X RESISTORS**



**1X FUSE TAP**



**1X DRL HARNESSES**



**2X TRIM BRACKETS**

## **REQUIRED TOOLS**

- RATCHET**
- 10MM SOCKET**
- SMALL TRIM REMOVAL TOOL**
- SMALL SCREWDRIVER OR PUNCH**
- DRILL AND 7/32" DRILL BIT OR SMALL CUTTING TOOL**
- LONG #2 PHILLIP'S HEAD SCREWDRIVER**
- 8X REPLACEMENT 6.3MM DIAMETER PLASTIC RIVETS OR PUSH CLIPS**



# DISASSEMBLY

1. WITH THE HOOD OF THE VEHICLE RAISED, REMOVE THE THIRTEEN PUSH CLIPS THAT SECURE THE RADIATOR COVER PANELS TO THE VEHICLE



2. PRY UP ON THE FOUR POINTS INDICATED BELOW TO RELEASE THE TABS THAT SECURE THE TOP OF THE GRILLE TO THE VEHICLE, THEN PULL THE GRILLE SLIGHTLY FORWARD





## DISASSEMBLY

3. REMOVE THE FOUR 10MM BOLTS (RED) AND FIVE PLASTIC PUSH CLIPS (YELLOW) FROM THE UNDERSIDE OF THE FRONT BUMPER COVER (HARDWARE MAY VARY DEPENDING ON YEAR MODEL AND TRIM)



4. REMOVE THE ONE 10MM BOLT AND FOUR PLASTIC RIVETS FROM THE FRONT OF THE WHEEL WELL. USE A SMALL SCREWDRIVER OR PICK TO FIRMLY PUSH IN THE CENTER PIN OF THE PLASTIC RIVET, THEN PRY OUT THE BODY OF THE RIVET TO REMOVE THEM. THESE RIVETS ARE ONE TIME USE AND WILL NEED TO BE REPLACED

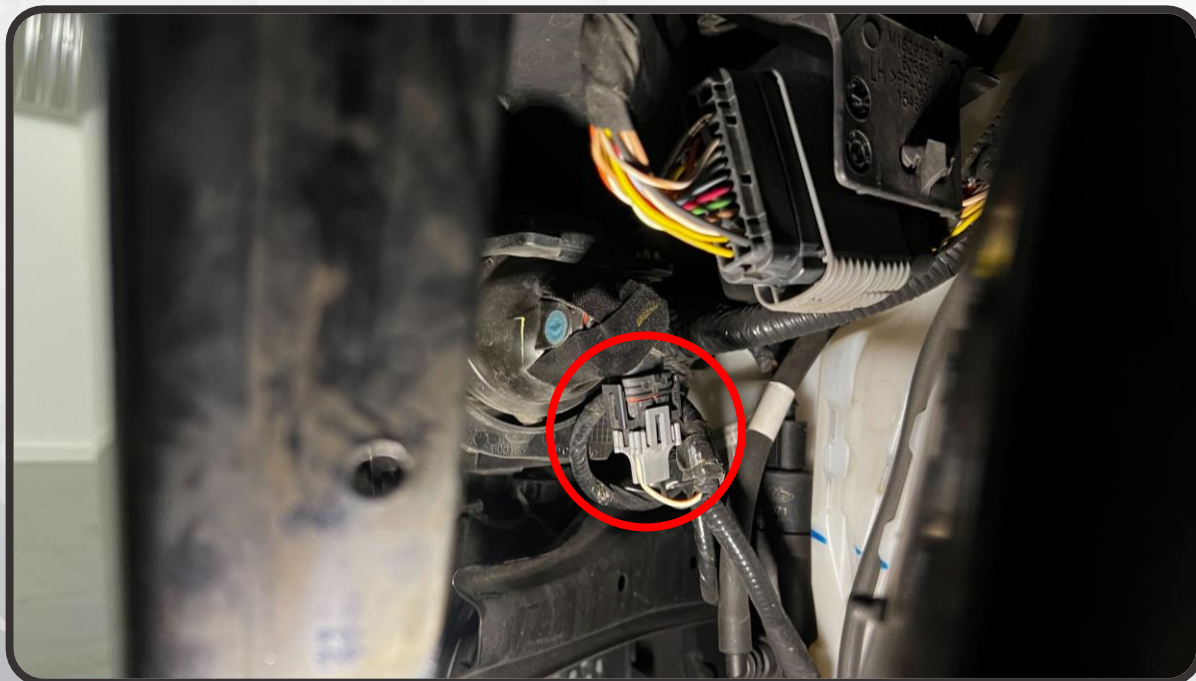


## DISASSEMBLY

5. PRY THE OUTER CORNER OF THE BUMPER COVER AWAY FROM THE BODY OF THE VEHICLE, RELEASING THE CLIPS AS YOU PULL



6. REACHING BEHIND THE BUMPER COVER, DISCONNECT THE FOG LIGHT





## DISASSEMBLY

7. REPEAT STEPS #4-#6 ON THE OPPOSITE SIDE OF THE VEHICLE
8. CAREFULLY PULL THE BUMPER FORWARD OFF OF THE VEHICLE. DISCONNECT ANY FRONT SENSORS IF EQUIPPED
9. FULLY REMOVE THE FRONT BUMPER COVER FROM THE VEHICLE AND SET IT ASIDE
10. REMOVE THE FOUR 10MM BOLTS FROM THE TWO PLASTIC BRACKETS BELOW THE HEADLIGHT AND REMOVE THE BRACKETS FROM THE VEHICLE

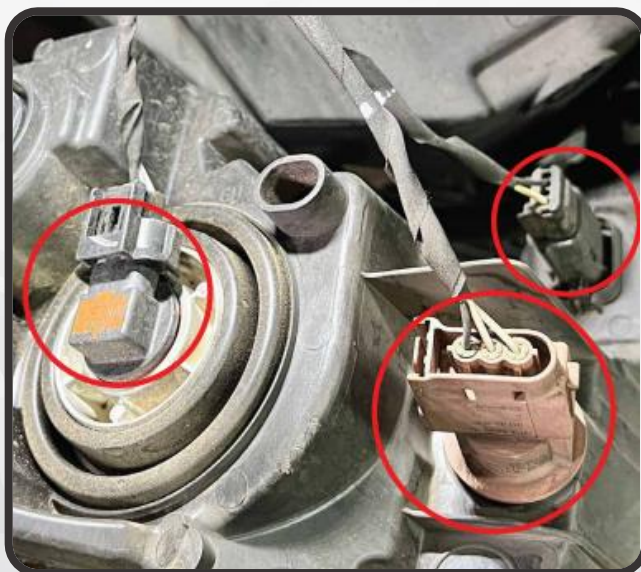
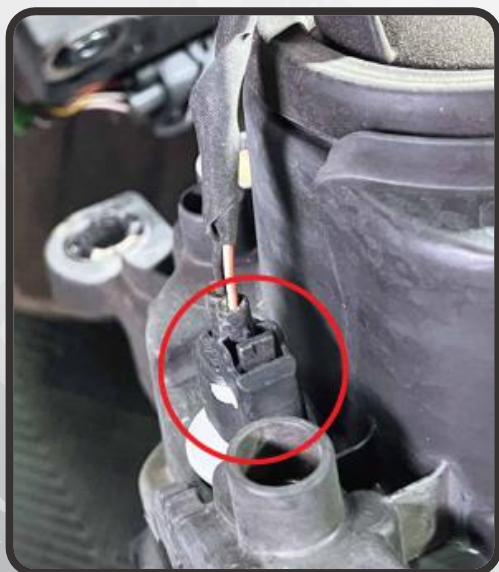


## DISASSEMBLY

11. LIFT UP THE PLASTIC TRIM PANEL THAT GOES OVER THE TOP OF THE HEADLIGHT AND REMOVE THE 10MM BOLT SECURING THE UPPER TAB OF THE HEADLIGHT. LIFT UP ON THE TAB AND SLIDE THE HEADLIGHT FORWARD.



12. FOR FACTORY HALOGEN HEADLIGHT EQUIPPED VEHICLES, DISCONNECT THE FOUR BULB CONNECTORS ON THE BACK OF THE HEADLIGHT HOUSING. SET THE HEADLIGHT HOUSING TO THE SIDE





## DISASSEMBLY

12. FOR FACTORY HID HEADLIGHT EQUIPPED VEHICLES, DISCONNECT THE SINGLE CONNECTOR ON THE BACK OF THE HEADLIGHT HOUSING. SET THE HEADLIGHT HOUSING TO THE SIDE



13. REPEAT STEPS #10-#12 ON THE OPPOSITE SIDE OF THE VEHICLE



# HEADLIGHT SETUP

14. INSTALL ONE OF THE INCLUDED MODE SELECTOR HARNESS ONTO THE PLUG ON THE BACK OF EACH HEADLIGHT



15. FOR VEHICLES THAT CAME EQUIPPED WITH FACTORY HALOGEN HEADLIGHTS, INSTALL THE HALOGEN ADAPTER HARNESS ONTO THE MODE SELECTOR HARNESS, AND CONNECT A RESISTOR ONTO THE HALOGEN ADAPTER. REPEAT ON THE OPPOSITE SIDE HEADLIGHT ASSEMBLY



# HEADLIGHT SETUP

16. WITH THE MORIMOTO XB MODE SELECTOR KEYS, YOU CAN DECIDE WHAT STYLE YOU'D LIKE FOR YOU DAYTIME RUNNING LIGHT AND TURN SIGNAL. CHOOSE FROM THE COLORCODED KEYS SHOWN BELOW FOR YOUR DESIRED STYLE (NOT APPLICABLE ON XB EVO HYBRID HEADLIGHTS)

			
<ul style="list-style-type: none"><li>• DRL: WHITE</li><li>• TURN SIGNAL: FADE-OFF</li></ul>	<ul style="list-style-type: none"><li>• DRL: WHITE</li><li>• TURN SIGNAL: SEQUENTIAL</li></ul>	<ul style="list-style-type: none"><li>• DRL: AMBER</li><li>• TURN SIGNAL: FADE-OFF</li></ul>	<ul style="list-style-type: none"><li>• DRL: AMBER</li><li>• TURN SIGNAL: SEQUENTIAL</li></ul>

17. INSTALL THE MODE SELECTOR KEY FOR YOUR PREFERRED MODE ONTO THE 3-PIN CONNECTOR ON THE HARNESS OF EACH HEADLIGHT. THIS CAN ALWAYS BE CHANGED AFTER INSTALL IF DESIRED. MAKE SURE THE VEHICLE AND HEADLIGHTS ARE OFF WHEN CHANGING MODE SELECTOR KEYS





## HEADLIGHT SETUP

IF YOUR VEHICLE HAS THE BLACK TRIM PANEL BENEATH THE HEADLIGHT (AS SHOWN BELOW) OR THE RECTANGULAR STYLE HEADLIGHT (WITHOUT THE "STEP" ON THE BOTTOM EDGE OF THE LIGHT), YOU WILL NEED TO INSTALL THE INCLUDED TRIM PANELS



18. FLIP THE HEADLIGHT ASSEMBLY UPSIDE DOWN AND POSITION THE INCLUDED BRACKET/TRIM PANEL ONTO THE BOTTOM OF THE HEADLIGHT. SECURE IT USING 3 OF THE INCLUDED SCREWS. REPEAT ON THE OPPOSITE HEADLIGHT ASSEMBLY

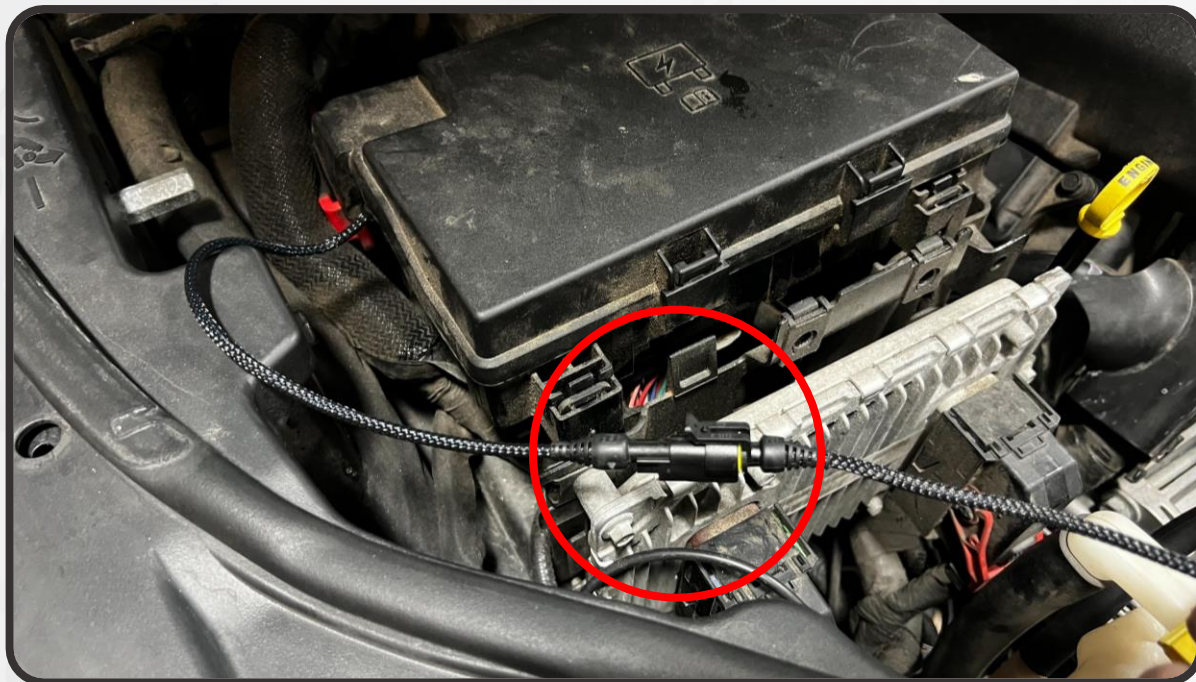




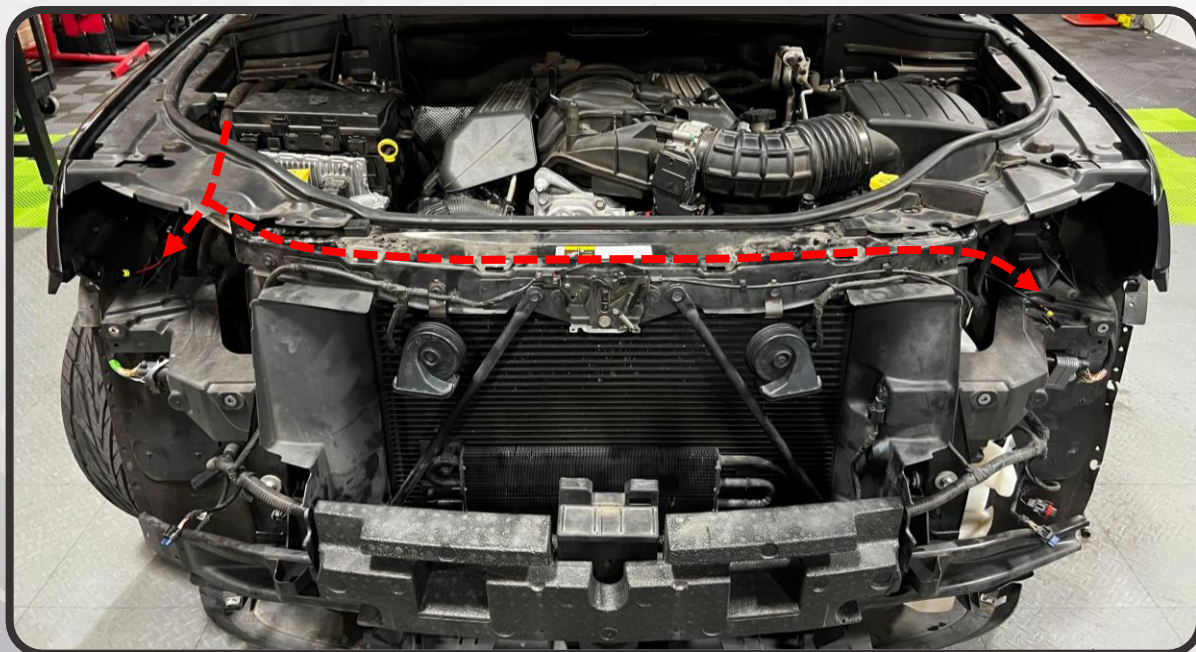


# FUSE TAP INSTALLATION

21. CLOSE THE FUSE BOX LID. CONNECT THE DRL HARNESS TO THE FUSE TAP



22. ROUTE THE SHORTER END OF THE DRL HARNESS FORWARD TO THE RIGHT-SIDE HEADLIGHT CAVITY. ROUTE THE LONGER END ACROSS THE UPPER RADIATOR SUPPORT TO THE LEFT-SIDE HEADLIGHT CAVITY. SECURE ANY LOOSE WIRING USING ZIP TIES



# HEADLIGHT INSTALLATION

23. LIFT THE HEADLIGHT ASSEMBLY UP TO THE VEHICLE. CONNECT THE FACTORY HEADLIGHT CONNECTOR(S) TO THE XB HEADLIGHT HARNESS AND CONNECT THE DRL HARNESS TO THE CONNECTOR ON THE BACK OF THE HEADLIGHT ASSEMBLY. IF YOUR VEHICLE CAME WITH FACTORY HALOGEN HEADLIGHTS, ATTACH THE MAGNET-MOUNT RESISTOR TO A METAL SURFACE WITHIN THE HEADLIGHT CAVITY



24. FIT THE HEADLIGHT ASSEMBLY ONTO THE VEHICLE AND REINSTALL THE UPPER 10MM BOLT TO SECURE IT
25. REPEAT STEPS #23 AND #24 ON THE OPPOSITE SIDE OF THE VEHICLE
26. TURN THE VEHICLE ON AND CONFIRM THAT ALL HEADLIGHT FUNCTIONS ARE WORKING PROPERLY
27. REASSEMBLY THE VEHICLE IN THE REVERSE ORDER OF DISASSEMBLY. THE PLASTIC RIVETS FROM STEP #4 WILL NEED TO BE REPLACED WITH EITHER REPLACEMENT 6.3MM PLASTIC RIVETS (YOU WILL NEED A TOOL TO INSTALL THESE) OR COMPARABLY SIZED PLASTIC PUSH CLIPS



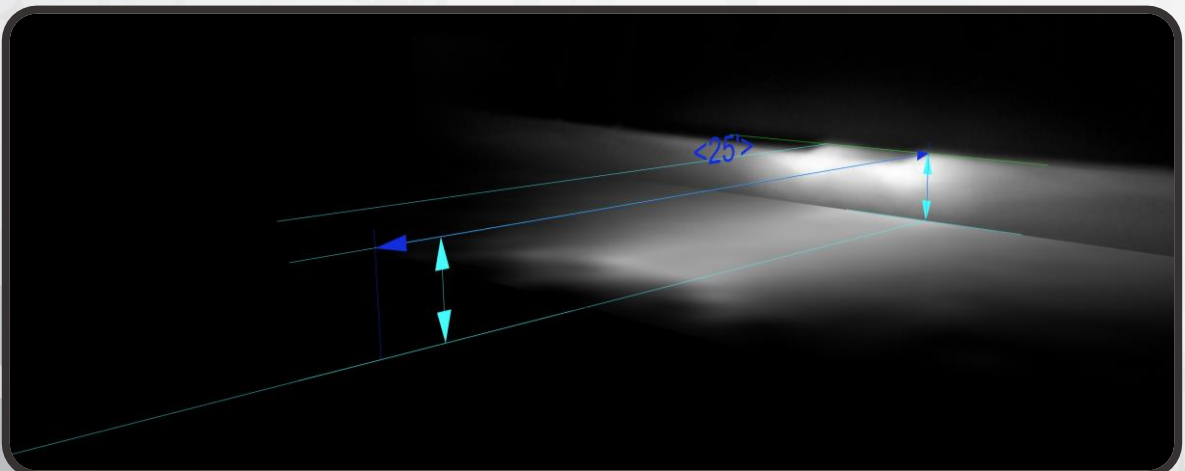


## AIMING

30. THE HEADLIGHTS COME OUT OF THE BOX AIMED FOR STOCK RIDE HEIGHT, HOWEVER IT IS RECOMMENDED TO FINE TUNE THE AIM OF YOUR LOW BEAM AFTER INSTALLATION REGARDLESS. USING A LONG PHILLIPS HEAD SCREWDRIVER DOWN THE BACK OF THE HEADLIGHT TO THE ADJUSTER GEAR, FOLLOW THE INSTRUCTIONS BELOW TO PROPERLY ALIGN YOUR HEADLIGHTS' LOW BEAM CUTOFF (THE UPPER HORIZONTAL EDGE OF THE LOW BEAM)



31. WITH THE VEHICLE PARKED ON LEVEL GROUND, 25' FROM A WALL, MEASURE THE DISTANCE FROM THE GROUND TO THE OPTICAL CENTER OF THE OUTERMOST PROJECTOR IN THE HEADLIGHT
- IF THE DISTANCE FROM THE GROUND TO THE OPTICAL CENTER IS LESS THAN 34.5", ADJUST THE TOP OF THE HEADLIGHT CUTOFF TO THE SAME HEIGHT AS THE HEADLIGHT MEASUREMENT YOU TOOK
  - IF THE HEIGHT IS BETWEEN 35"-39", ADJUST THE CUTOFF TO 2" BELOW YOUR HEADLIGHT MEASUREMENT. FACTORY RIDE HEIGHT TYPICALLY FALLS IN THIS RANGE AT APPROXIMATELY 36"
  - IF THE HEIGHT IS GREATER THAN 39.5", ADJUST THE CUTOFF TO 3" BELOW YOUR HEADLIGHT MEASUREMENT



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**- ENJOY YOUR NEW MORIMOTO XB HEADLIGHTS! -**

