



BRIGHT IS ONLY THE BEGINNING

# INSTALL GUIDE

## XB LED GEN II HEADLIGHTS: FORD MUSTANG (18-23)

LF2-414



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 MODE  
SELECTOR KEYS**



**2X MODE SELECTOR  
EXTENSIONS**



**2X TURN SIGNAL  
HARNESSES**



## **REQUIRED TOOLS**

- **RATCHET**
- **10MM SOCKET**
- **5.5MM SOCKET**
- **13MM SOCKET**
- **7MM SOCKET**
- **TRIM REMOVAL TOOL**
- **8MM SOCKET**
- **P2 PHILLIPS HEAD  
SCREWDRIVER**



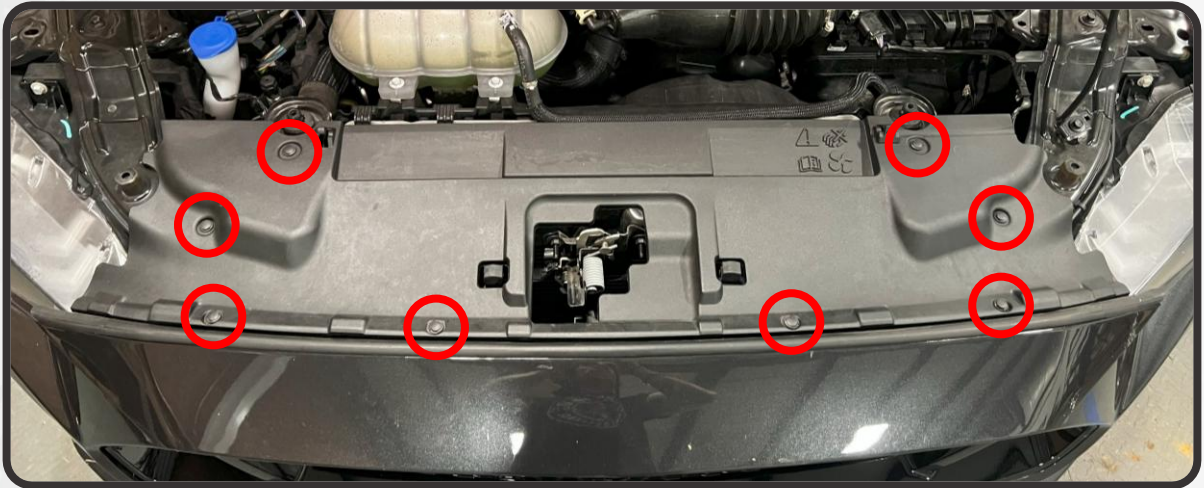
# DISASSEMBLY

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.

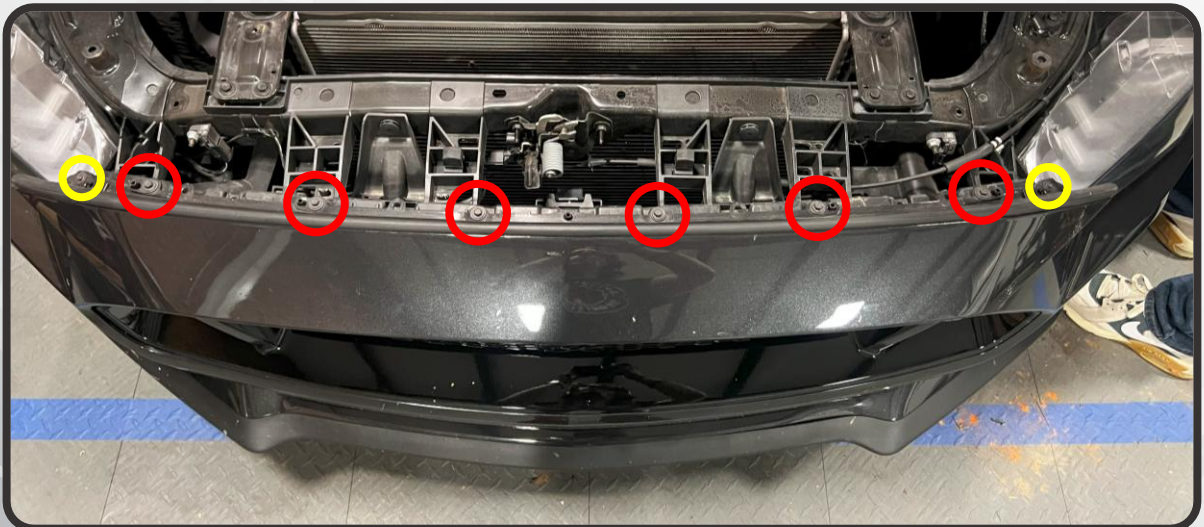
VEHICLE USED IN THIS GUIDE:

2019 MUSTANG GT

1. RAISE THE HOOD OF THE CAR
2. REMOVE THE EIGHT PLASTIC PUSH-CLIPS SECURING THE RADIATOR COVER AND REMOVE THE RADIATOR COVER



3. REMOVE THE SIX 8MM BOLTS (RED) AND TWO 5.5MM BOLTS (YELLOW) THAT SECURE THE TOP EDGE OF THE BUMPER COVER





## DISASSEMBLY

- MOVING TO THE FRONT WHEEL WELL, LOCATE THE THREE PLASTIC PUSH-CLIPS SHOWN BELOW AND REMOVE THEM. YOU MAY NEED TO TURN THE WHEEL TO ONE SIDE TO BETTER ACCESS THE FENDER LINER



- PULL BACK THE FENDER LINER WHERE THE BUMPER COVER MEETS THE FENDER AND REMOVE THE TWO 10MM NUTS THAT SECURE THE BUMPER COVER TO THE FENDER



## DISASSEMBLY

6. PRY DOWN ON THE BRACKET THAT ATTACHES THE BUMPER COVER AND FENDER AND REMOVE IT



7. REPEAT STEPS 4-6 ON THE OPPOSITE SIDE OF THE CAR
8. REMOVE THE FIFTEEN 7MM SCREWS FROM THE UNDERSIDE OF THE FRONT BUMPER COVER



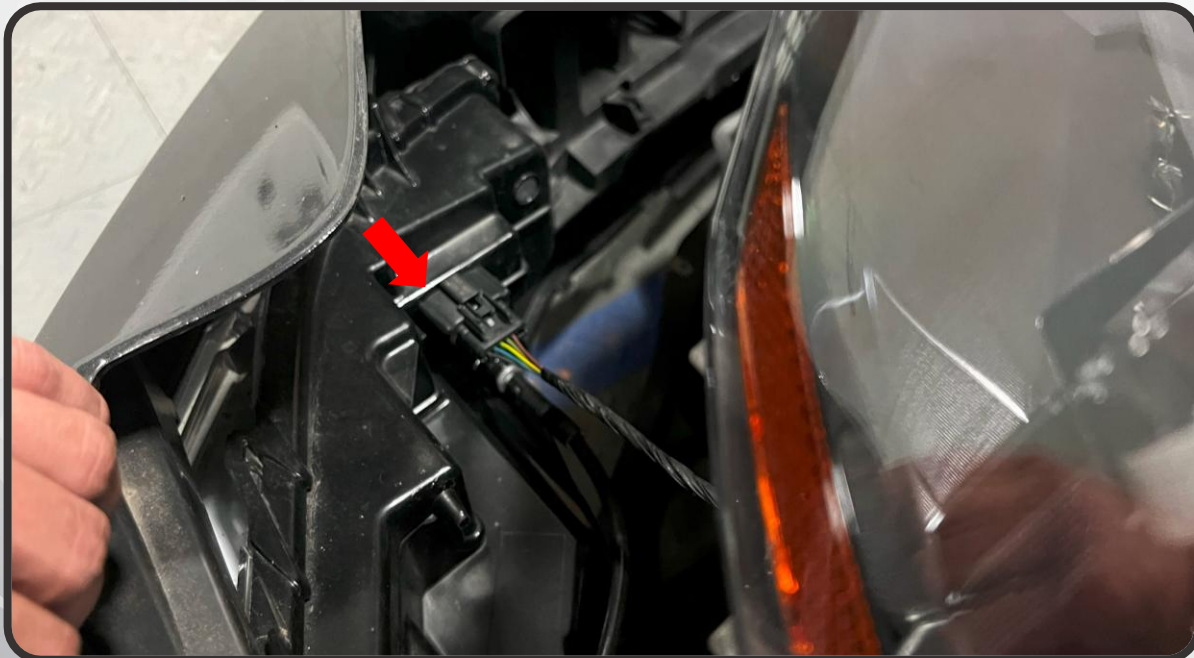


## DISASSEMBLY

9. LIFT UP ON THE TOP EDGE OF THE BUMPER COVER TO LIFT IT UP AND OVER THE FIVE STUDS THAT HOLD IT IN PLACE, AND PULL THE BUMPER COVER FORWARD, JUST OFF OF THE CAR



10. UNPLUG THE FOG LAMP ON EITHER SIDE OF THE CAR BY PRESSING DOWN ON THE RELEASE TAB ON THE CONNECTOR AND PULLING AWAY FROM THE FOG LIGHT HOUSING. WITH BOTH FOG LIGHTS DISCONNECTED, SET THE FRONT BUMPER COVER ASIDE

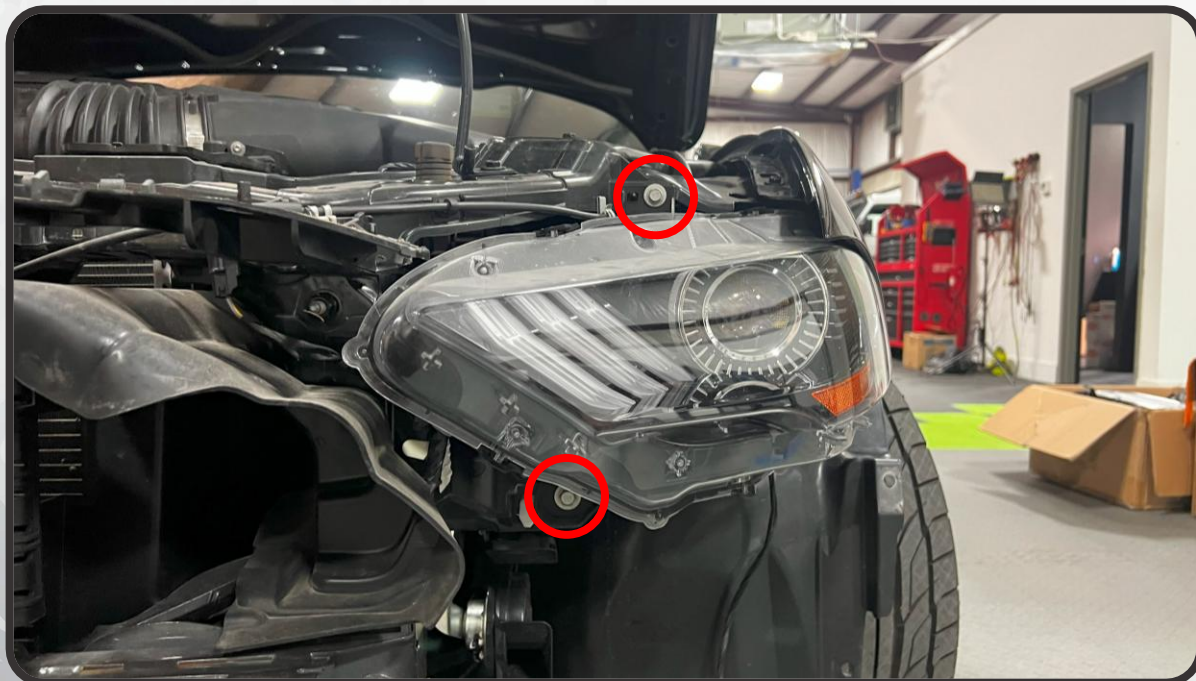


## DISASSEMBLY

11. REMOVE THE 13MM BOLT FROM THE SIDE OF THE HEADLIGHT



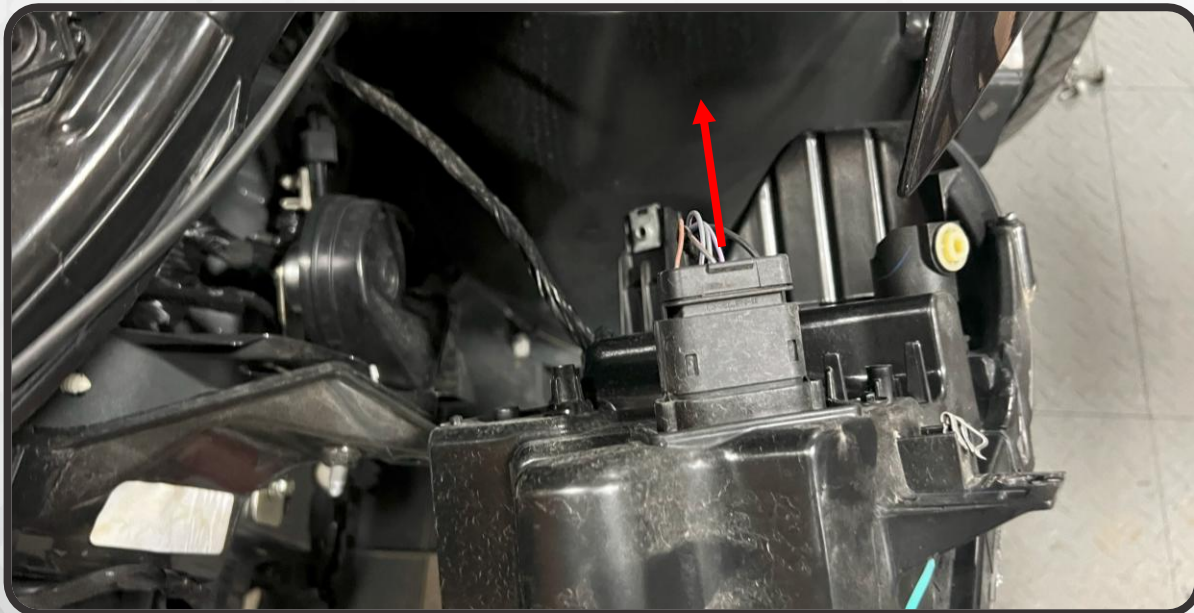
12. REMOVE THE TWO 10MM BOLTS FROM ABOVE AND BELOW THE HEADLIGHT HOUSING. SLIDE THE HEADLIGHT FORWARD





## DISASSEMBLY

13. PRY THE WIRE CLIP LOOSE FROM THE BACK OF THE HEADLIGHT HOUSING, THEN UNPLUG THE HEADLIGHT CONNECTOR FROM THE BACK OF THE HOUSING. SET THE HEADLIGHT HOUSING ASIDE

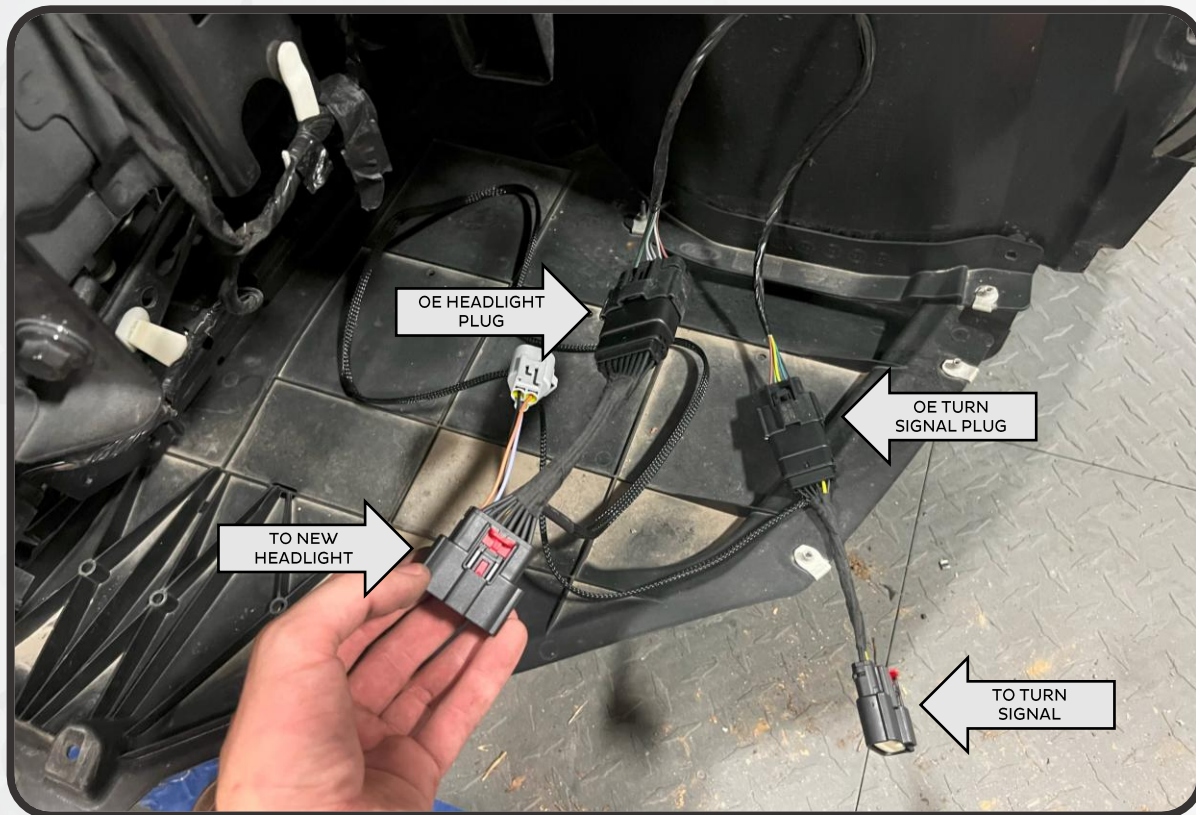


14. REPEAT STEPS 11-13 ON THE OPPOSITE SIDE OF THE CAR



## WIRING

15. CONNECT THE TURN SIGNAL HARNESS TO THE FACTORY HEADLIGHT PLUG AND TURN SIGNAL PLUG ON BOTH SIDES OF THE CAR



# HEADLIGHT SETUP

16. WITH THE MORIMOTO XB MODE SELECTOR KEYS, YOU CAN DECIDE WHAT STYLE YOU'D LIKE FOR YOUR DAYTIME RUNNING LIGHT AND TURN SIGNAL. CHOOSE FROM THE COLOR-CODED KEYS SHOWN BELOW FOR YOUR DESIRED STYLE

			
<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>

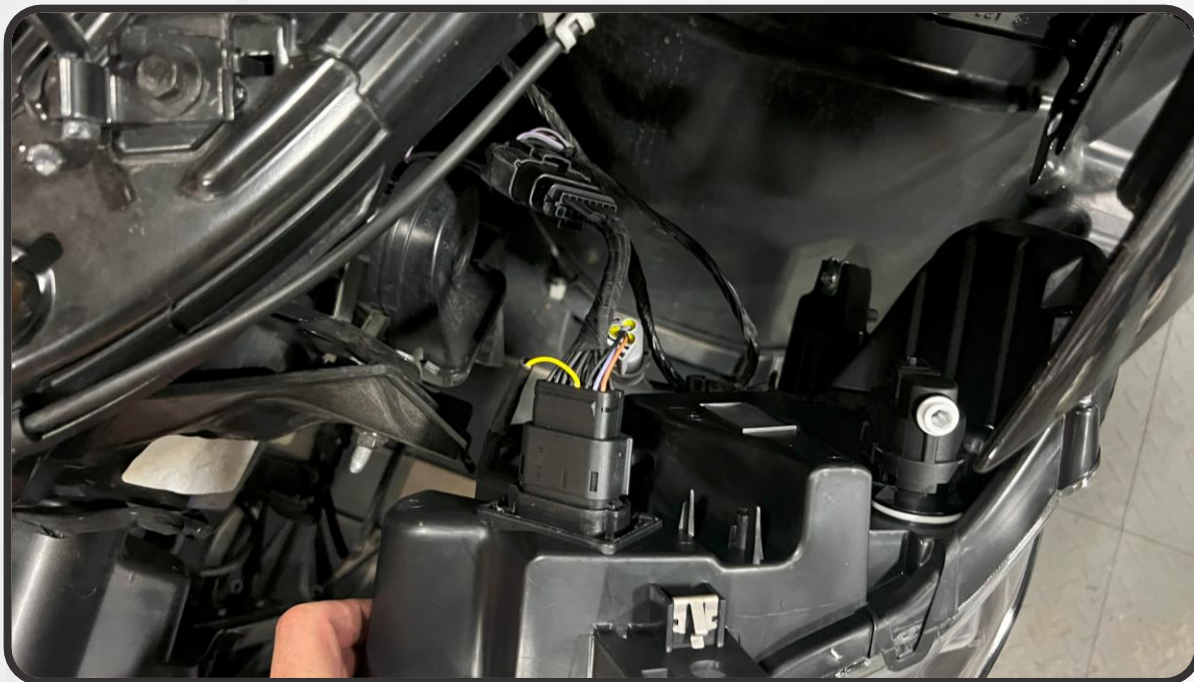
17. INSTALL THE MODE SELECTOR FOR YOUR PREFERRED MODE ONTO THE 3-PIN CONNECTOR ON EACH OF THE TURN SIGNAL HARNESSSES. THIS CAN ALWAYS BE CHANGED AFTER INSTALL IF DESIRED. A PAIR OF EXTENSION HARNESSSES ARE PROVIDED SO THAT YOU CAN ROUTE THE MODE SELECTORS TO A MORE ACCESSABLE LOCATION FOR CHANGING LATER. MAKE SURE THE VEHICLE AND HEADLIGHTS ARE OFF WHEN CHANGING MODE SELECTORS





# INSTALLATION

18. CONNECT THE HEADLIGHT PLUG ON THE TURNSIGNAL HARNESS TO THE NEW HEADLIGHT ASSEMBLY AND SECURE THE HEADLIGHT ON THE VEHICLE WITH THE FACTORY HARDWARE. REPEAT ON THE OTHER SIDE OF THE VEHICLE



19. PULL THE BUMPER COVER UP TO THE VEHICLE AND CONNECT THE WIRING TO THE FOG/TURN SIGNAL ASSEMBLIES

20. GET IN THE CAR AND CONFIRM THAT ALL FUNCTIONS ARE WORKING PROPERLY



DAYTIME  
RUNNING  
LIGHT



PARKING  
LIGHT



TURN SIGNAL



LOW BEAM



HIGH BEAM

21. REASSEMBLE THE VEHICLE IN THE REVERSE ORDER OF DISASSEMBLY

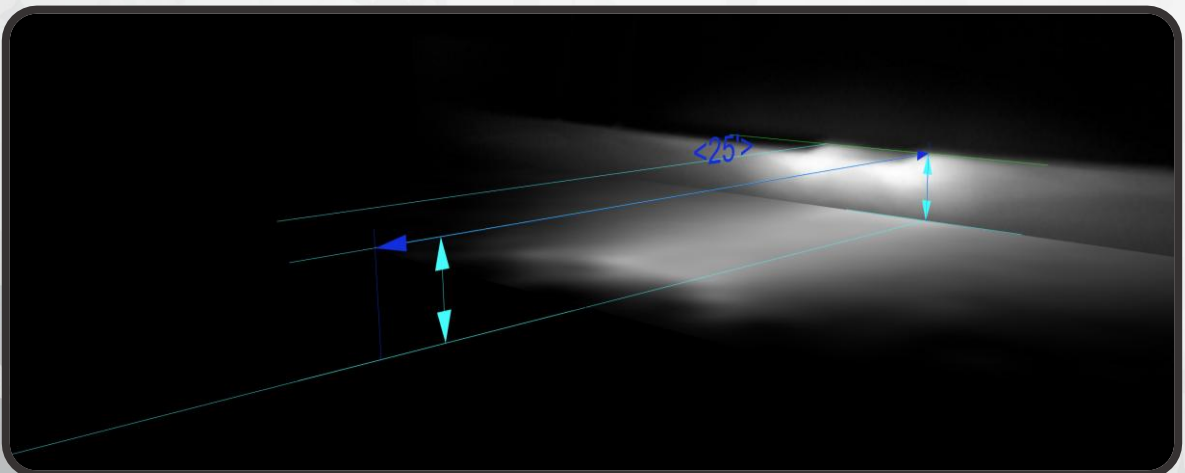


## AIMING

22. 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)



23. 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. FACTORY RIDE HEIGHT AND LOWER FALLS IN THIS RANGE
  - IF THE HEIGHT IS BETWEEN 35"-39", ADJUST THE CUTOFF TO 2" BELOW YOUR HEADLIGHT MEASUREMENT.
  - 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! -**

