



BRIGHT IS ONLY THE BEGINNING

INSTALL GUIDE

XRGB LED HEADLIGHTS: DODGE CHALLENGER (15-23)

LF495



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 (ONE PAIR) HEADLIGHT HOUSINGS



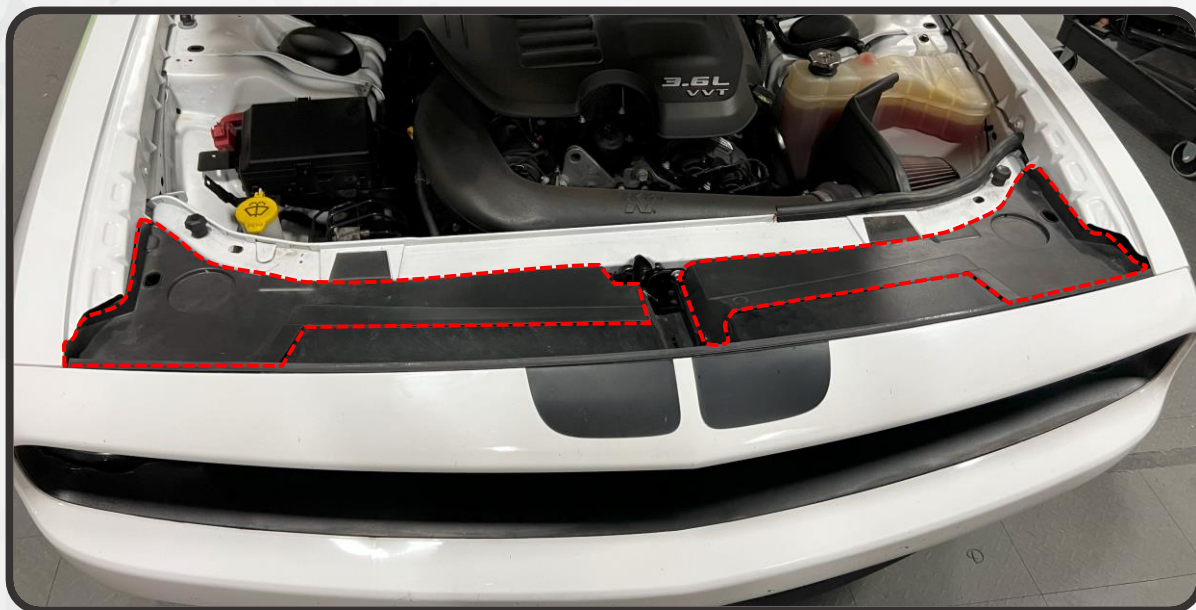
REQUIRED TOOLS

- RATCHET
- 7MM SOCKET
- 8MM SOCKET
- DEEP 10MM SOCKET
- 12" RATCHET EXTENSION
- SWIVEL BIT FOR RATCHET
- PLASTIC PRY TOOL
- ZIP TIES

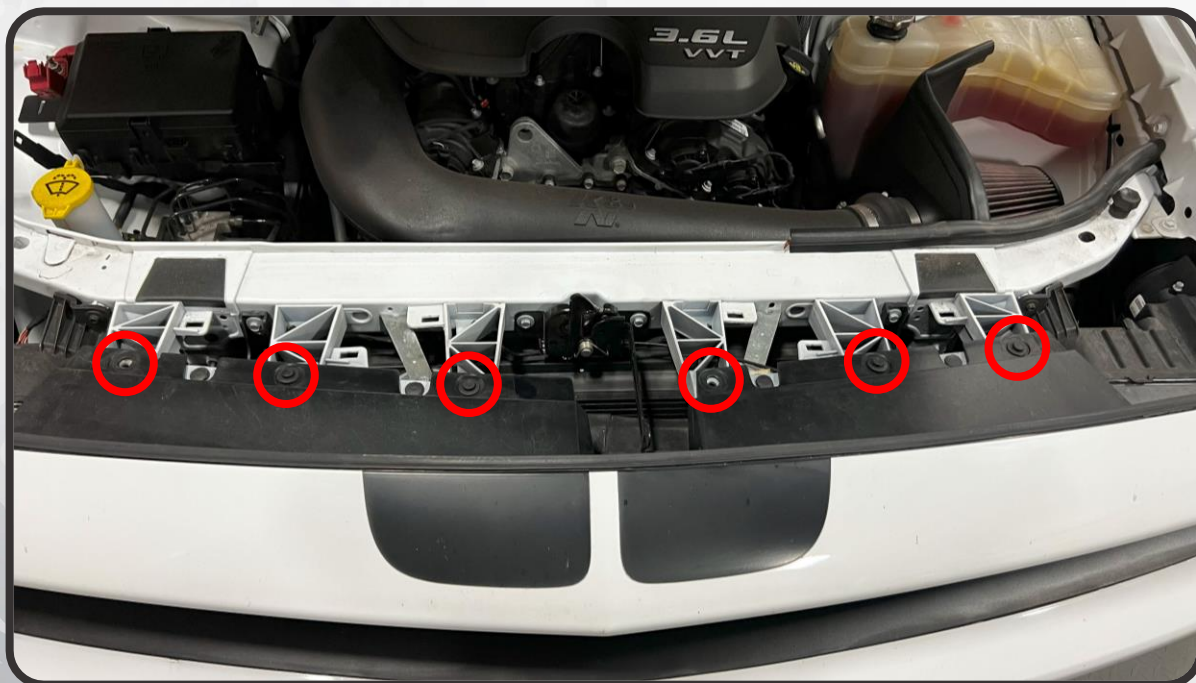


DISASSEMBLY

1. RAISE THE HOOD OF THE CAR
2. LOCATE AND REMOVE THE TWO RADIATOR COVER PANELS. LIFT EACH UP FROM THE MIDDLE AND PULL AWAY FROM THE FENDER



3. REMOVE THE 6 PUSH CLIPS FROM THE TOP EDGE OF THE FRONT BUMPER COVER



DISASSEMBLY

4. REMOVE THE 10MM NUT FROM THE BUMPER JUST INSIDE THE TOP OF THE FENDER ON EITHER SIDE

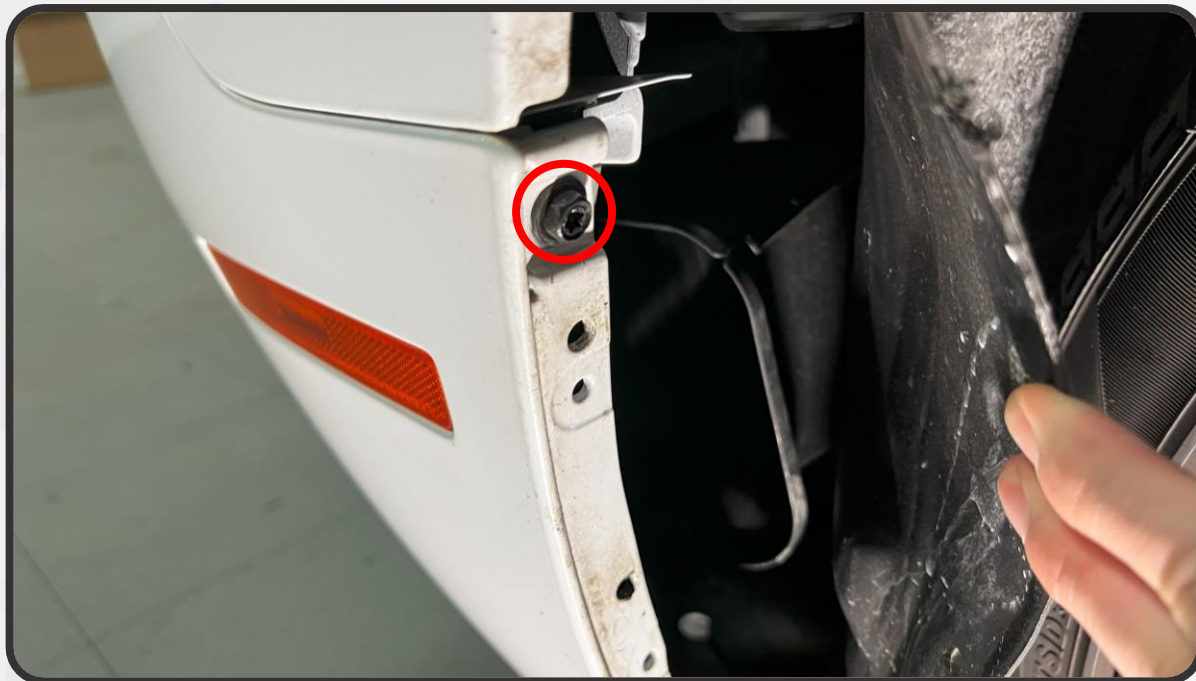


5. MOVING TO THE FRONT WHEEL WELL, TURN THE WHEEL TO ONE SIDE AND REMOVE THE FIVE PUSH CLIPS FROM THE FENDER LINER



DISASSEMBLY

6. PULL THE FENDER LINER BACK AND REMOVE THE BUMPER COVER SCREW WITH EITHER A T30 TORX BIT OR 10MM SOCKET



7. USE AN EXTENSION (12"), A SWIVEL BIT, AND A DEEP 10MM SOCKET TO REMOVE THE 10MM NUT FROM THE INSIDE OF THE FENDER



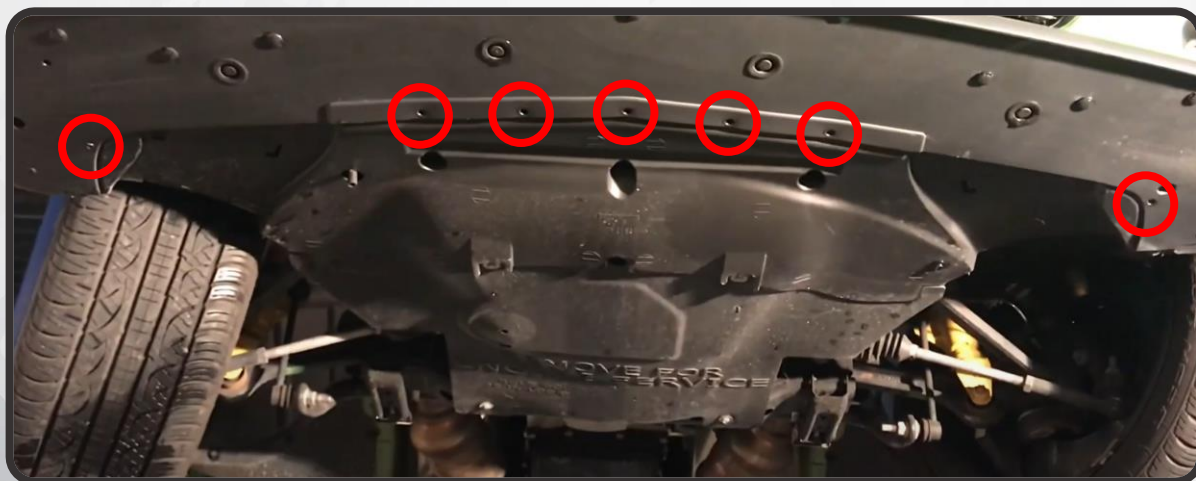
DISASSEMBLY

8. POPOUT THE CORNER OF THE FRONT BUMPER COVER



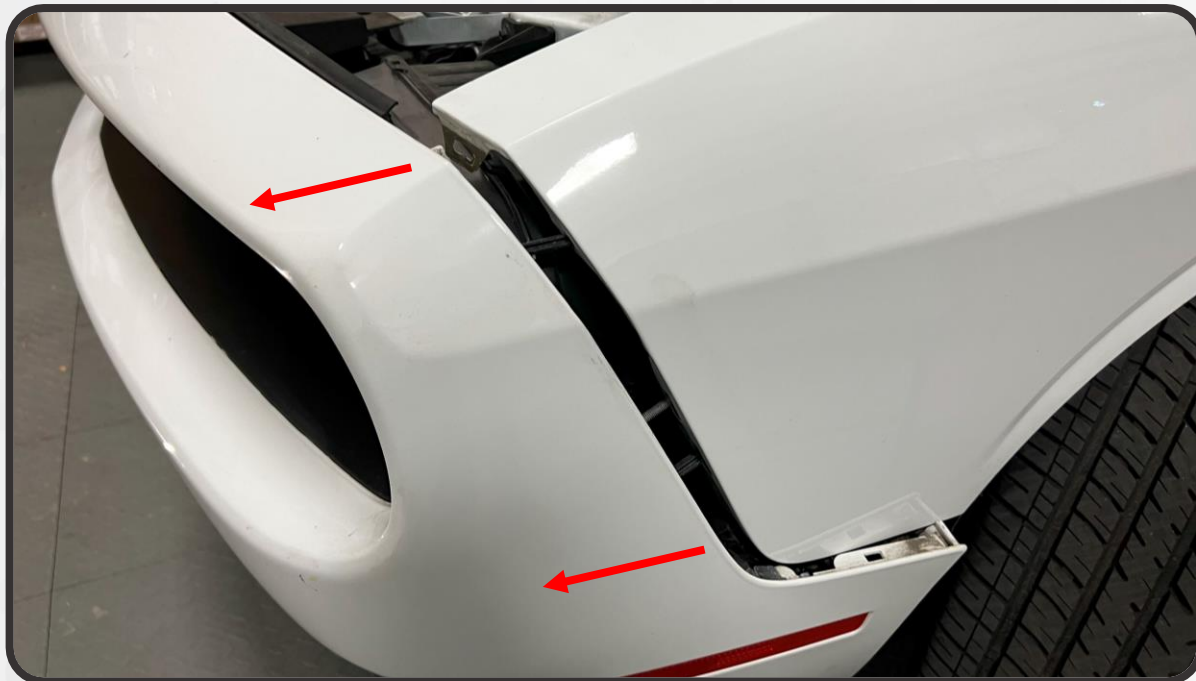
9. REPEAT STEPS 4-8 ON THE OPPOSITE SIDE OF THE CAR

10. ON THE UNDERSIDE OF THE BUMPER COVER, REMOVE THE SEVEN 7MM SCREWS THAT SECURE THE BUMPER COVER TO THE CAR AND UNDERTRAY



DISASSEMBLY

11. PULL THE SIDES OF THE BUMPER COVER FORWARD TO RELEASE THEM FROM THE FENDER



12. LIFT UP ON THE BUMPER COVER AND PULL IT FORWARD, JUST OFF OF THE CAR
13. ONCE THE BUMPER COVER IS FREE FROM THE CAR, REACH BEHIND IT ON THE PASSENGER SIDE AND DISCONNECT THE FRONT BUMPER COVER HARNESS. IF YOUR CAR DOES NOT HAVE THIS CONNECTOR, DISCONNECT THE SIDE MARKER ON EITHER SIDE OF THE BUMPER COVER



DISASSEMBLY

14. NOW THAT THE FRONT BUMPER COVER IS FULLY FREE OF THE CAR, SET IT ASIDE
15. REACH BEHIND THE HEADLIGHT AND DISCONNECT THE HEADLIGHT CONNECTOR FROM THE BACK OF THE HOUSING. SOME MODELS MAY ALSO HAVE A SECOND CONNECTOR AS SHOWN BELOW THAT ALSO WILL NEED TO BE DISCONNECTED. REPEAT ON THE OPPOSITE HEADLIGHT

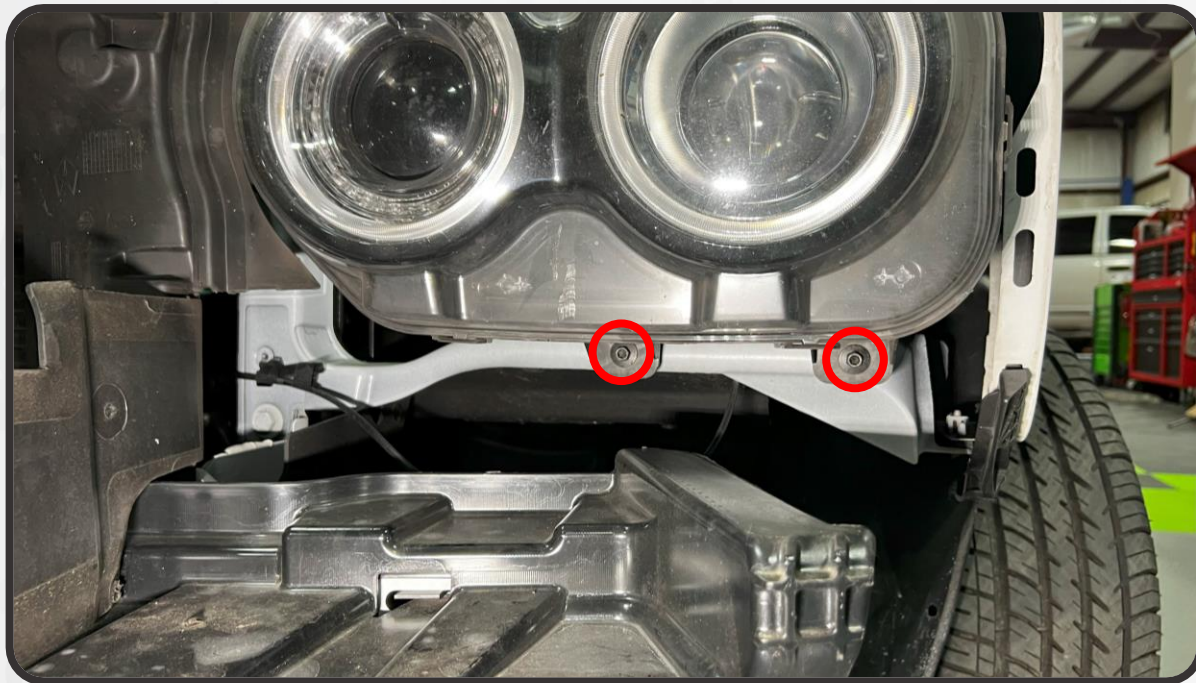


16. REMOVE THE ONE 8MM/T30 BOLT FROM THE TOP OF THE LIGHT



DISASSEMBLY

17. REMOVE THE TWO 8MM/T30 BOLTS FROM THE BOTTOM OF THE LIGHT



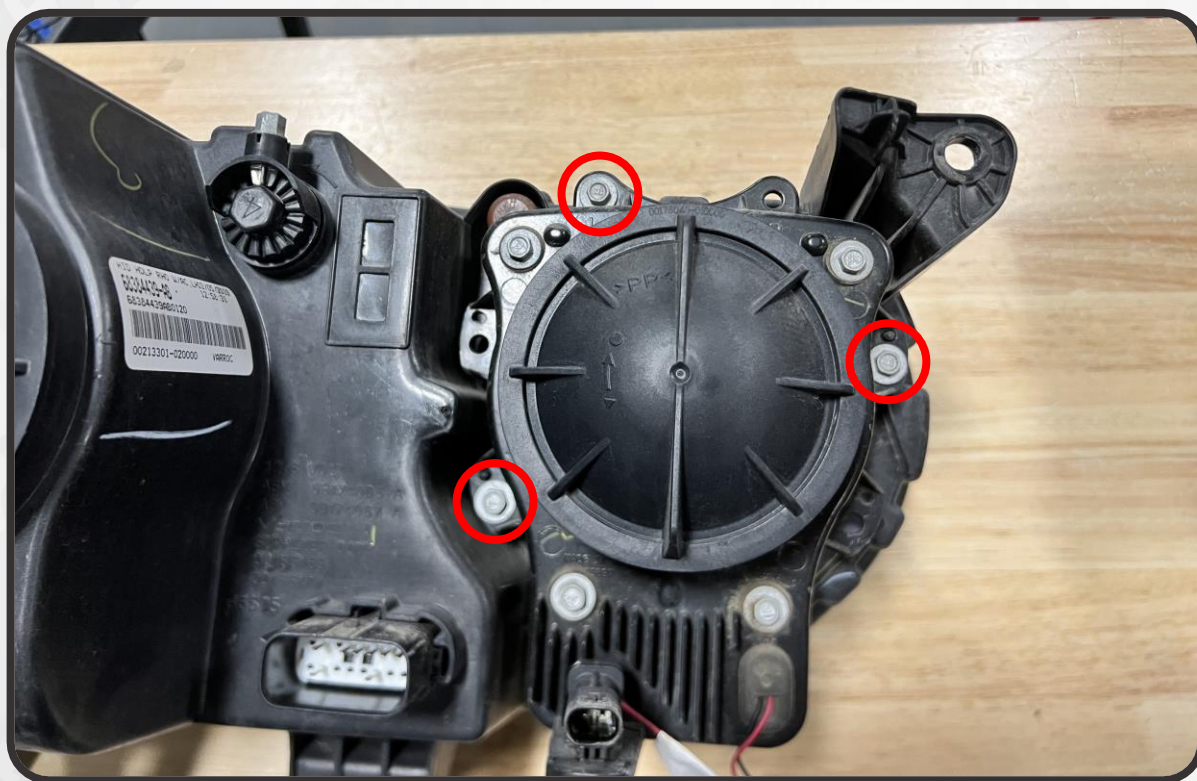
18. PULL THE LIGHT FORWARD OFF OF THE CAR

19. REPEAT STEPS 15-18 ON THE OPPOSITE HEADLIGHT



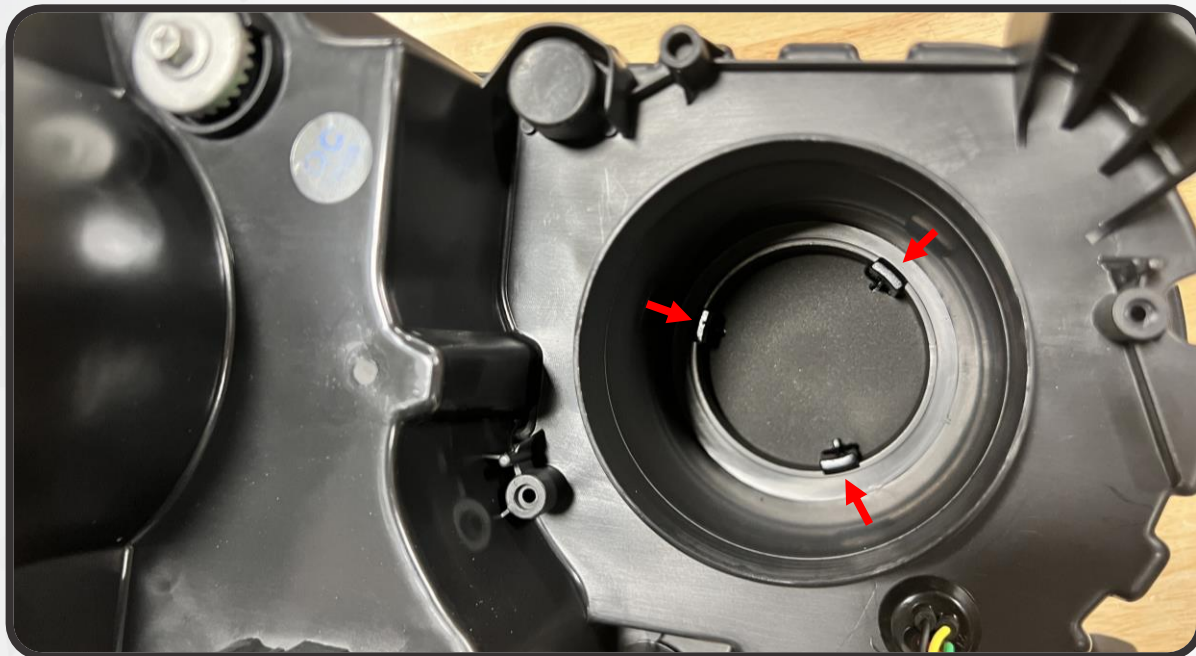
OEM HALO SWAP

20. IF YOUR CAR CAME EQUIPPED WITH THE FACTORY INNER HALO INSERTS (SHOWN BELOW), YOU WILL NEED TO SWAP THEM OVER TO THE NEW HEADLIGHT ASSEMBLIES. IF YOUR CAR DID NOT COME EQUIPPED WITH THIS, SKIP AHEAD TO PAGE 12
21. PLACE YOUR FACTORY HEADLIGHT ASSEMBLY FACE-DOWN ON A WORK BENCH. USING A SOFT WORK MAT OR TOWEL ON THE WORK SURFACE IS RECOMMENDED TO PREVENT SCRATCHING THE HEADLIGHT LENS
22. REMOVE THE THREE 7MM SCREWS THAT SECURE THE HALO MODULE TO THE HOUSING. ONCE THE SCREWS ARE REMOVED, REMOVE THE MODULE FROM THE BACK OF THE HEADLIGHT AND SET THE HEADLIGHT ASIDE

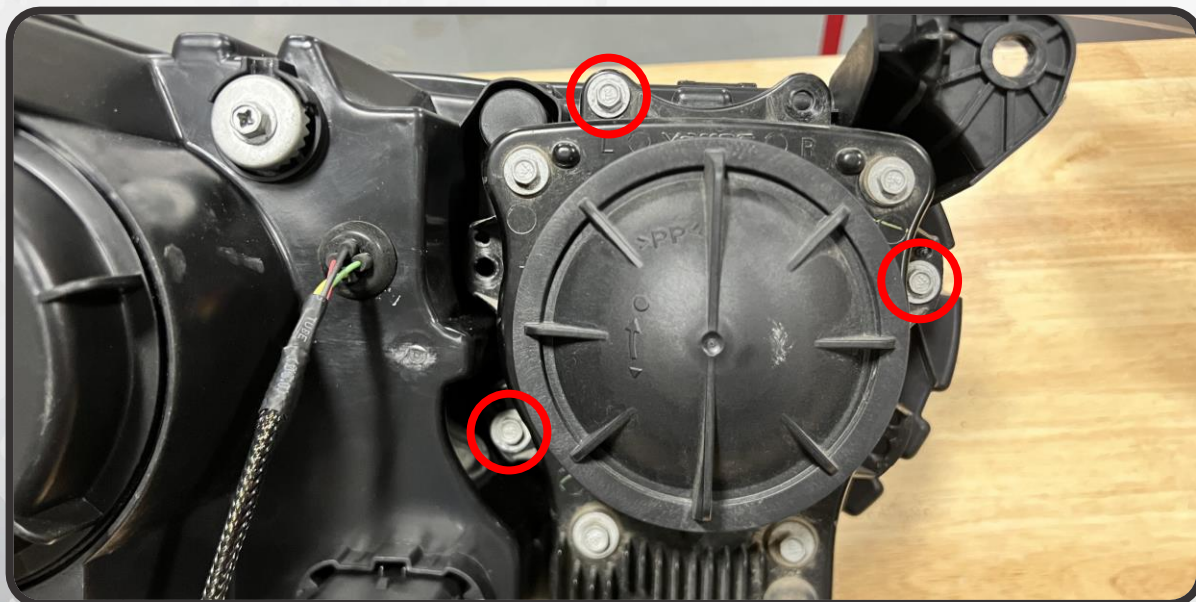


DEM HALO SWAP

23. PLACE THE NEW HEADLIGHT ASSEMBLY FACE-DOWN ON YOUR WORK BENCH, AGAIN TAKING CARE NOT TO SCRATCH THE LENS. REMOVE THE CAP FROM THE CENTER OF THE LIGHT BY SQUEEZING IN ON THE THREE PLASTIC TABS THAT SECURE IT, AND PUSHING FORWARD



24. WITH THE CAP REMOVED, FIT THE HALO MODULE ONTO THE BACK OF THE NEW HEADLIGHT ASSEMBLY AND SECURE IT USING THE FACTORY 7MM HARDWARE



25. REPEAT STEPS 21-24 ON THE OTHER HEADLIGHT



INSTALLATION

26. FIT BOTH HEADLIGHTS ONTO THE VEHICLE AND SECURE THEM TO THE CAR USING THE FACTORY HARDWARE
27. ROUTE THE RGB CROSSOVER HARNESS FROM EACH HEADLIGHT ACROSS THE UPPER RADIATOR SUPPORT AND CONNECT THEM. SECURE ANY LOOSE/EXCESS WIRE OUT OF THE WAY OF ANY HOT OR MOVING COMPONENTS IN THE ENGINE BAY USING ZIP TIES

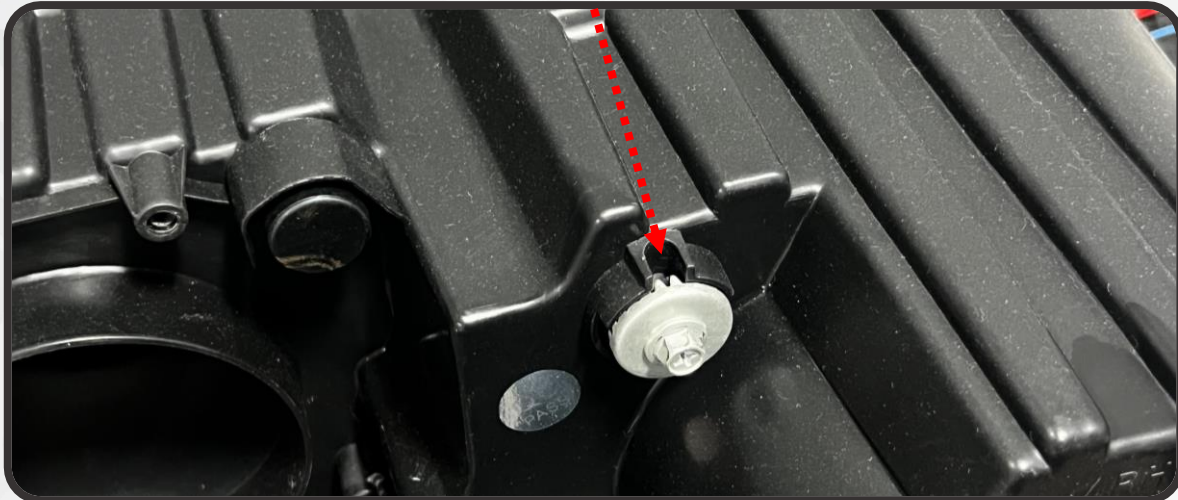


28. REASSEMBLE THE FRONT OF THE CAR IN THE REVERSE ORDER YOU DISASSEMBLED IT



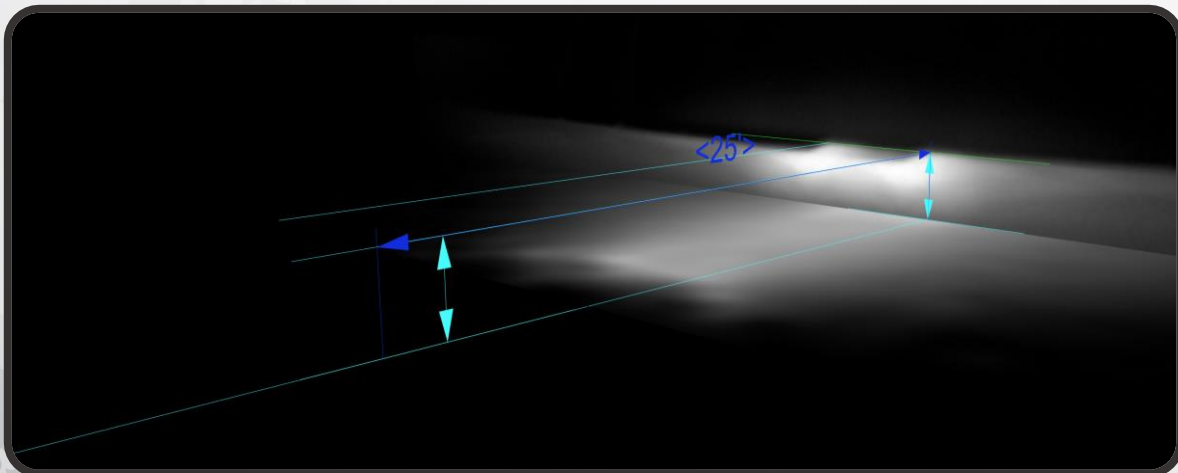
AIMING

29. 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)



30. 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
- IF THE HEIGHT IS GREATER THAN 39.5", ADJUST THE CUTOFF TO 3" BELOW YOUR HEADLIGHT MEASUREMENT

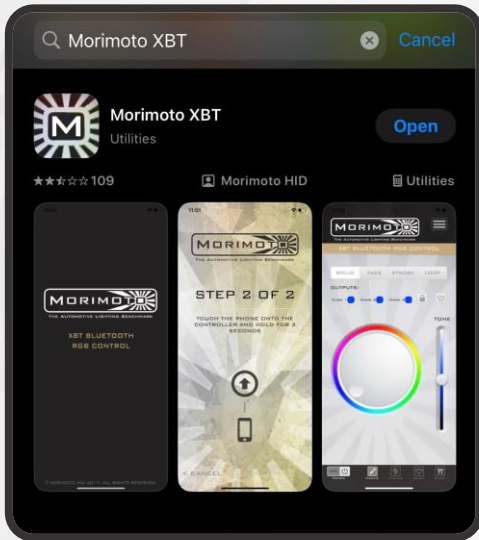


NOTE: AIMING SHOULD NOT REQUIRE MORE THAN THREE FULL TURNS OF THE ADJUSTER IN EITHER DIRECTION. OVER-ADJUSTING THE LIGHT MAY RESULT IN DAMAGE TO THE ADJUSTER

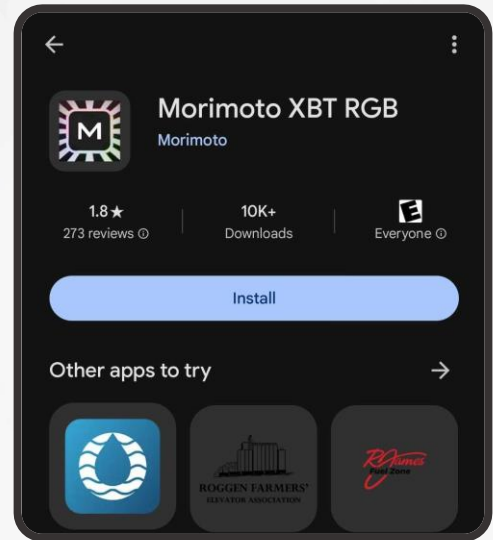


RGB CONTROLLER OPERATION

31. THE RGB DAYTIME RUNNING LIGHT IS CONTROLLED VIA AN APP ON YOUR SMARTPHONE. DOWNLOAD THE FREE MORIMOTO XBT APP TO GET STARTED

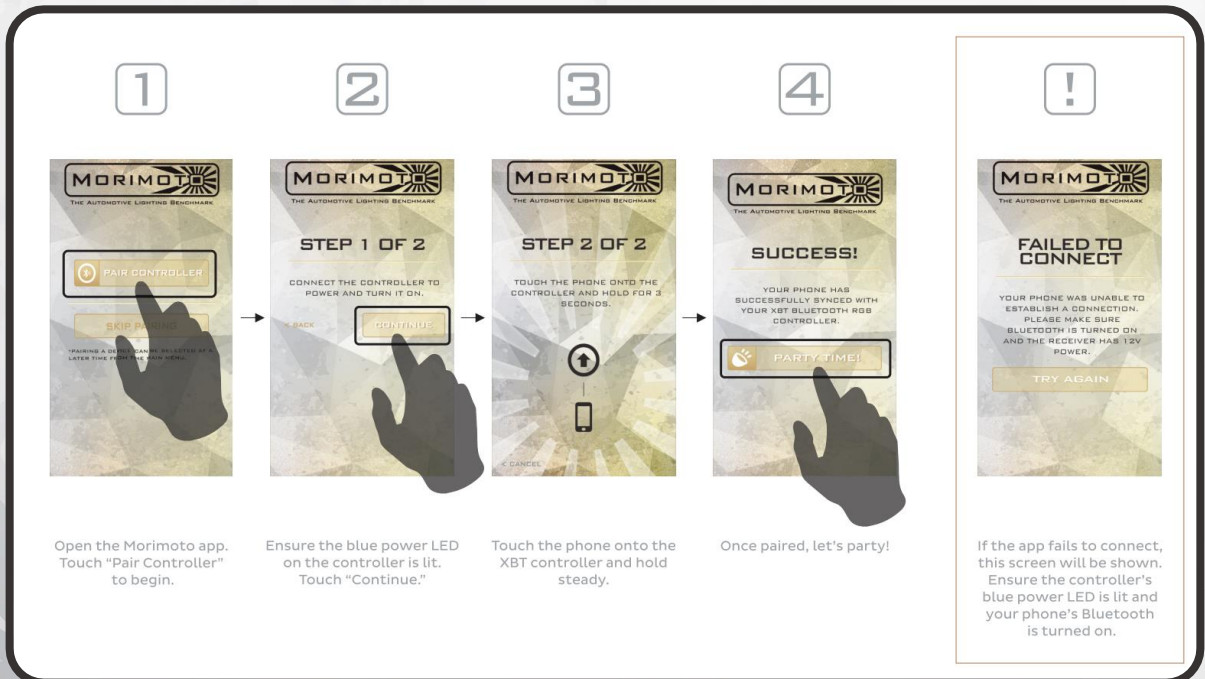


iOS



ANDROID

32. OPEN THE APP AND FOLLOW THE PROMPTS ON THE SCREEN TO PAIR YOUR PHONE TO THE HEADLIGHTS



RGB CONTROLLER OPERATION

FUNCTION NOTES

MAKE SURE YOUR APP IS SET TO "OUTPUT 1"

TO SWITCH FROM RGB TO THE DEDICATED WHITE DAYTIME RUNNING LIGHT, SIMPLY SLIDE THE TONE BAR ON THE RIGHTHAND SIDE OF THE SCREEN ALL THE WAY DOWN TO THE BOTTOM

DO NOT USE THE ON/OFF TOGGLE IN THE BOTTOM LEFT TO TURN OFF THE DAYTIME RUNNING LIGHT AS THIS WILL TURN OFF THE CONTROLLER ENTIRELY. VEHICLE IGNITION WILL NEED TO BE CYCLED OFF AND BACK ON TO POWER THE CONTROLLER ON AGAIN

THE CONTROLLER IS DESIGNED SO THAT WHEN THE VEHICLE IS TURNED ON, THE DAYTIME RUNNING LIGHT WILL DEFAULT TO THE COLOR IT WAS LAST SET TO



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- ENJOY YOUR NEW MORIMOTO XB HEADLIGHTS! -

