



THE AUTOMOTIVE LIGHTING BENCHMARK

# INSTALL GUIDE

## 2STROKE 4.0 LED BULBS



### WHAT'S INCLUDED



**2X 2STROKE 4.0 BULBS**



**2X COLLAR WRENCHES**

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.



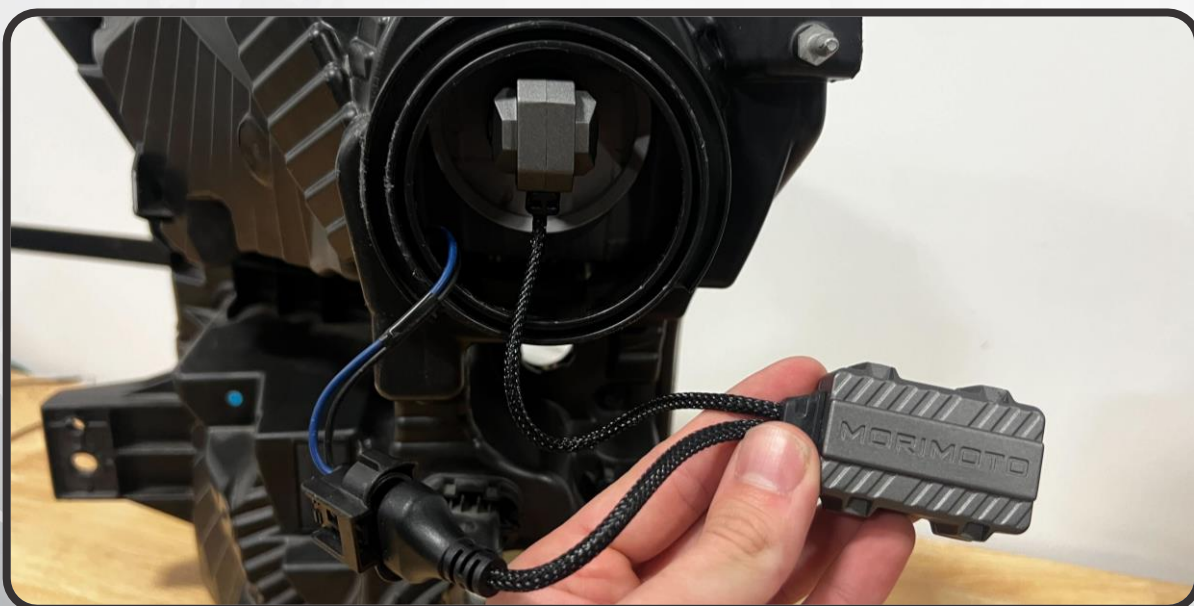
## 2STROKE 4.0 LED BULBS

NOTE: THIS DOCUMENT IS MEANT TO SERVE AS A GENERAL GUIDE FOR INSTALLING THE 2STROKE 4.0. ACTUAL INSTALL PROCESS WILL VARY FROM VEHICLE. CONSULT YOUR MAINTENANCE MANUAL FOR VEHICLE SPECIFIC INSTRUCTIONS FOR ACCESSING AND REMOVING YOUR BULBS.

1. REMOVE HOUSING CAP (IF APPLICABLE) AND UNPLUG AND REMOVE THE ORIGINAL HALOGEN BULB FROM THE HOUSING

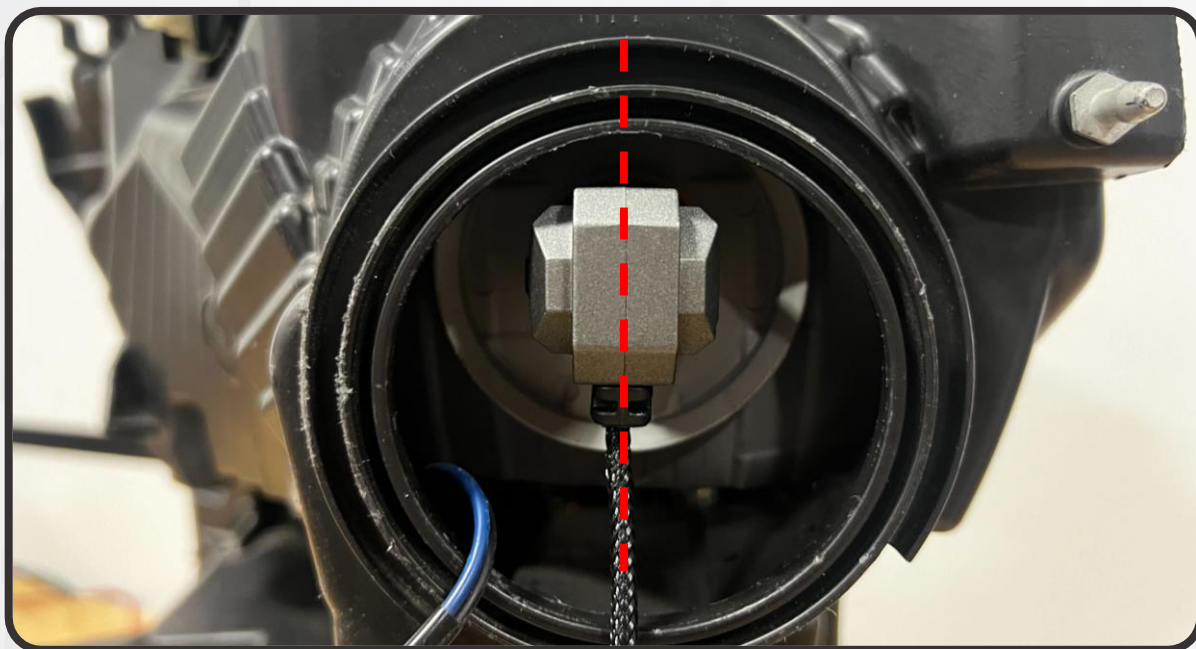


2. INSTALL THE 2STROKE 4.0 INTO THE HOUSING AND PLUG THE BULB INTO THE FACTORY WIRING



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3. WITH THE BULB INSTALLED, IT SHOULD BE ORIENTED IN THE HOUSING AS SHOWN BELOW, WITH THE WIRES COMING STRAIGHT DOWN OUT OF THE BOTTOM OF THE BASE OF THE BULB



4. TO ADJUST THE ROTATION OF THE BULB, REMOVE IT FROM THE HOUSING AND USE THE PROVIDED TOOL TO LOOSEN THE NUT ON THE COLLAR. WITH THE NUT LOOSENED, ROTATE THE COLLAR TO THE DESIRED POSITION TO ACHIEVE THE DESIRED BULB ALIGNMENT. THEN, TIGHTEN DOWN THE NUT, REINSTALL THE BULB, AND CONFIRM THAT IT IS NOW CORRECTLY ORIENTED. MAKE ADDITIONAL ADJUSTMENTS IF NECESSARY



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5. IF YOUR VEHICLE REQUIRES ANTI-FLICKER PWM MODULES (AVAILABLE SEPARATELY), INSTALL THE MODULE INLINE BETWEEN THE BULB AND FACTORY WIRING AS SHOWN BELOW



6. FOR VEHICLES WITH INTERNALLY-WIRED HEADLIGHTS (WITH A HOUSING CAP), TUCK THE WIRING INTO THE HOUSING AND REINSTALL THE HOUSING CAP. IF THE FITMENT OF THE ORIGINAL CAP IS COMPROMISED BY THE LED BULB, YOU WILL NEED TO EITHER ADD RUBBER HOUSING CAP EXTENSIONS (AVAILABLE SEPARATELY, SHOWN BELOW), OR DO NOT USE THESE BULBS. THE HOUSING MUST REMAIN SEALED AS IT WAS WITH THE FACTORY BULBS

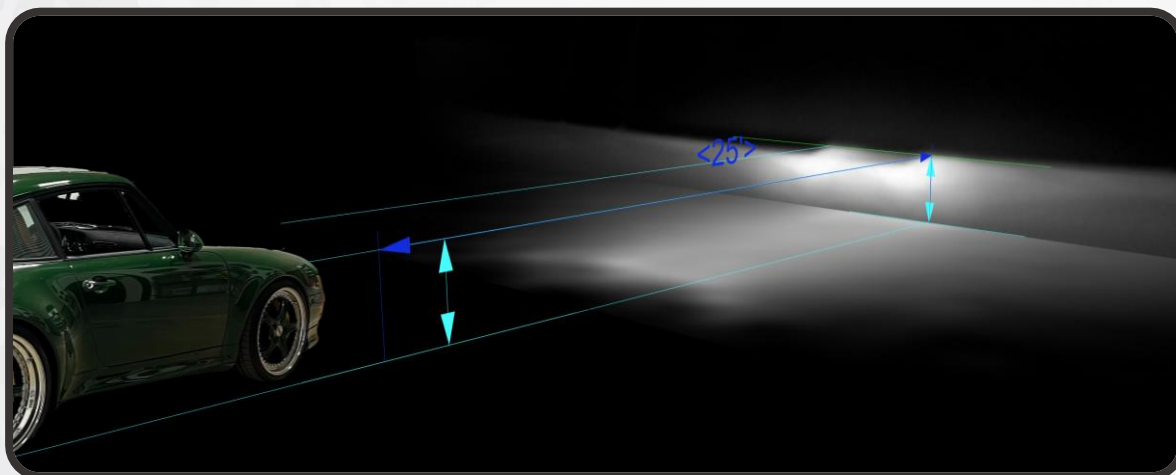


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- ONCE YOU'VE COMPLETED THE INSTALLATION IF YOUR NEW BULBS, WE RECOMMEND CONFIRMING THAT YOUR HEADLIGHTS ARE PROPERLY AIMED FOR MAXIMUM PERFORMANCE. FOLLOW THE INSTRUCTIONS BELOW TO AIM YOUR LOW BEAM'S CUTOFF (THE UPPER HORIZONTAL EDGE OF THE LOW BEAM):

WITH THE VEHICLE PARKED ON LEVEL GROUND, 25' FROM A WALL, MEASURE THE DISTANCE FROM THE GROUND TO THE CENTER OF THE LOW BEAM BULB

- IF THE DISTANCE FROM THE GROUND TO THE LIGHT 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



- ENJOY YOUR NEW MORIMOTO 2STROKE 4.0S! -

