

Installation Instructions

Congratulations! You are installing the latest technology in automotive lighting in your Mustang. Here are some fun facts about your new LED taillights:

Four Wire Connection. A four (4) wire connection with a dedicated turn signal wire is included. The onboard micro-controller will determine whether to flash the turn signal or not based on the particular situation (ie. Brake on or off). Use of the fourth wire is optional depending on the your vehicle.

RapidFire™ Your stoplights are equipped with our new RapidFire™ stop light system. Every time the brakes are used your lights will flash three times in rapid succession followed by a constant on. This cycle is repeated every time the brakes are used. This is valuable safety feature helps ensure your visibility to other drivers.

Pulse width modulated tail lamp. The reduced intensity taillight now is a rapid pulsing of the LEDs on and off (on for 10% and off for 90% of the time). This pulsing repeats 2000 times per second. Since the LEDs are only on for 10% of the time, their life is increased. The DOT defined minimum brightness ratio of 7:1 between to tail and stop light is exceeded to 10:1.

Stainless Steel Hardware All parts on your LED array are non-corrosive or stainless steel, including the hardware.

Lifetime Warranty

Proudly MADE IN USA

1. **Disconnect Battery.** **Do not skip this step.** Also, do not try to “test” the LED array by connecting the leads directly to your battery. Permanent damage will occur to the LED array if you fail to heed these steps.
2. Remove Taillight Lens bezel and lens.
3. Remove light bulb.
4. Cut the two wires going to the taillight inside the trunk. Cut the wires close to the taillight housing.
5. Remove the bulb contact and spring. From inside the trunk, drive this piece of plastic out of the bulb socket.
6. The bulb socket must be modified slightly to accept the supplied plastic wire guide. Remove the part of the bulb socket that is formed over. The bulb socket must be the same diameter throughout. Using a Dremel tool or a round file, enlarge this formed area until the plastic wire guide fits.



The bulb socket must be modified, as shown, to accept the supplied plastic wire guide.





7. Pass the supplied LED harness through the through the hole where the bulb was removed. Inside the trunk, pass the harness through the large hole in the plastic wire guide.



The supplied wire guide successfully installed in the bulb socket.

- 8. Driver's Side Connection.** Using the supplied connectors, connect the black wire on your car to the black wire on the supplied harness. To use the connector:

QUICK & EASY!

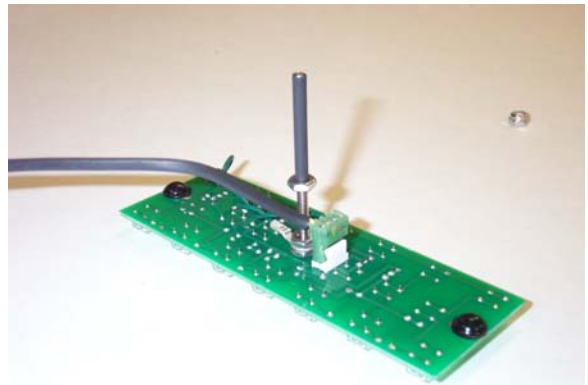
- 1 Strip wire 1/2"** 
- 2 Twist** 
- 3 Insert** 
- 4 Hand tighten** 

- Repeat by connecting the green wire with the orange tracer on your car to the red wire on the supplied harness. If your car does not have an original wiring harness, the black wire goes to the taillight circuit and the red wire goes to the stop light circuit. . If you have an aftermarket harness with a dedicated turn signal wire, connect this wire to the yellow wire on the LED harness. If you do not have a dedicated turn signal wire, the yellow wire will not be connected to anything.
- 10. Passenger side.** Connect the black wire on your car to the black wire on the supplied harness. Connec the Orange wire with the blue tracer on your car to the red wire on the supplied harness. If your car does not have an original wiring harness,

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the black wire goes to the taillight circuit and the red wire goes to the stop light circuit. If you have an aftermarket harness with a dedicated turn signal wire, connect this wire to the yellow wire on the LED harness. If you do not have a dedicated turn signal wire, the yellow wire will not be connected to anything.

- Attach the plastic connector on the supplied harness to the LED arrays. Note the connector has a detent into which a tab on the mating connector fits.
- Attach the green ground wire on the supplied harness to the stud on the back of the LED array. Remove the nylon insert nut and the two plain nuts from the stud, pass the ring terminal of the green wire over the stud, and reinstall the nut. The ring terminal should be sandwiched between the two plain nuts at the circuit board. **The metal tab on the ground wire should not touch anything on the LED array.**

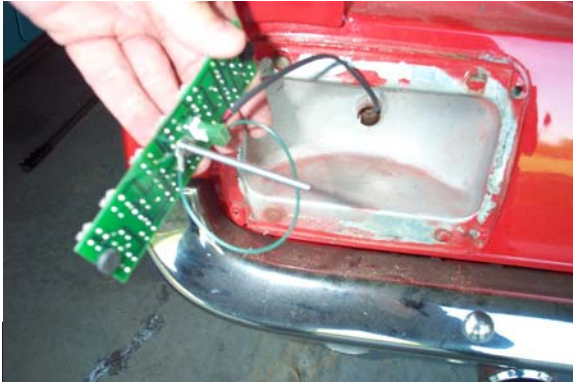


Use the supplied spacer to set the correct depth for the nut (1-5/16"). Note the correct placement of the green ground wire.

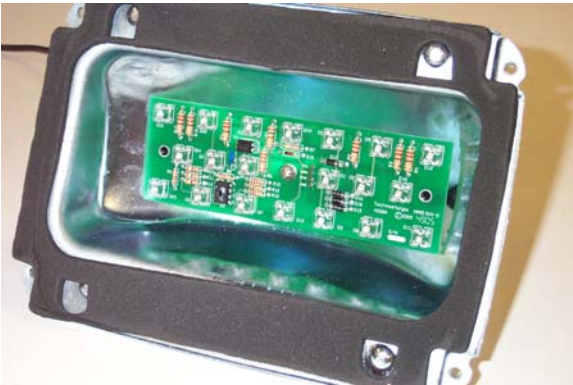
- Thread the other plain nut onto the mounting screw. Turn this nut down the length of the supplied gauge. The nut should be 1 5/16" from the end of the screw.
- Insert the LED array stud through the bulb socket and into the plastic wire

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guide. Attach the 6" ground wire to the stud and retain with the supplied nylon insert locknut. Be sure the LED array is square with the taillight housing.



the LED array. Ground wire may be attached as shown or sandwiched between the nylon lock nut and the standard nut (these nuts not shown in this photo).



Be sure the LED array is square with the taillight housing.

15. Attach the other end of the ground wire to one of the studs holding the taillight housing in place. Remove any paint or undercoat for a proper ground.
16. Position the lens gasket and reinstall the lens and bezel. Do not over tighten the lens screws!
17. Repeat for the other side.
18. Reconnect the battery.
19. Test both STOP and taillight functions.
20. Enjoy!

21. Turnsignals: If both the tail and stop function work after installation, but the turn-signals do not, replace the turn-signal flasher with a new one of the same number (552). **Do not use a "heavy duty" flasher.** An electronic flasher may be necessary if your car has LED front parking lights or no front parking lights at all. These are available through the same dealer from whom the LED taillights were purchased. Part number 9005, electronic flasher module for replacing two (2) pin flashers.

22. Wiring review for people who don't read instructions

Green – Ground
Red – Stop
Black – Tail
Yellow – Turn (optional)

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