



FLAMETHROWER

Installation Guide

FlameThrower Sequential Harness for 1996-2004 Mustang (excluding Amber Lens Systems)

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'96-'04 OEM Harness

Sequential Turn Signal Harness

The FlameThrower Mustang Sequential Brake & Tail Light Harness converts the three bulb incandescent brake and tail light system of a 1996-2004 Mustang (NOT amber lights or lenses) into a fully functional three lamp sequential brake and tail light system.

These model years provided for a TWO brake light and THREE parking light assembly. The FlameThrower system converts this system into a full THREE brake light and THREE parking light system, making the brakes and turn signals brighter and more pronounced.

The conversion to the full three lamp system is transparent to the installation of the Sequential Harness. No wiring or splicing is required for the harness installation. The installation is accomplished with a small wrench.

Removing the lens and replacing the harness is not difficult, and is detailed in the next few pages. Remember to take your time, since the lenses are made entirely of plastic. Force anything the wrong way and the sound you hear is the cash register ringing up the sale for a new rear lens assembly. Even then, the cost of new rear lenses is only around \$50/set. If your present lenses are cracked or badly scratched, consider replacing them now while you are installing the Sequential Harness.

This is also a good time to upgrade your 1994-1995 lenses assemblies that utilize a small side marker incandescent lamp as part of the turn signal system. The newer '96-'04 lens housings are an exact fit on your vehicle (non-Amber systems only) and allow you to use the standard OEM brake and tail light harness that utilizes three full size 3157 dual purpose incandescent lamps for brake and turn signals. Our replacement Sequential Brake & Tail Light harnesses are compatible with these newer '96-'04 lens housings.



Open Trunk, and locate trunk liner retainer fitting



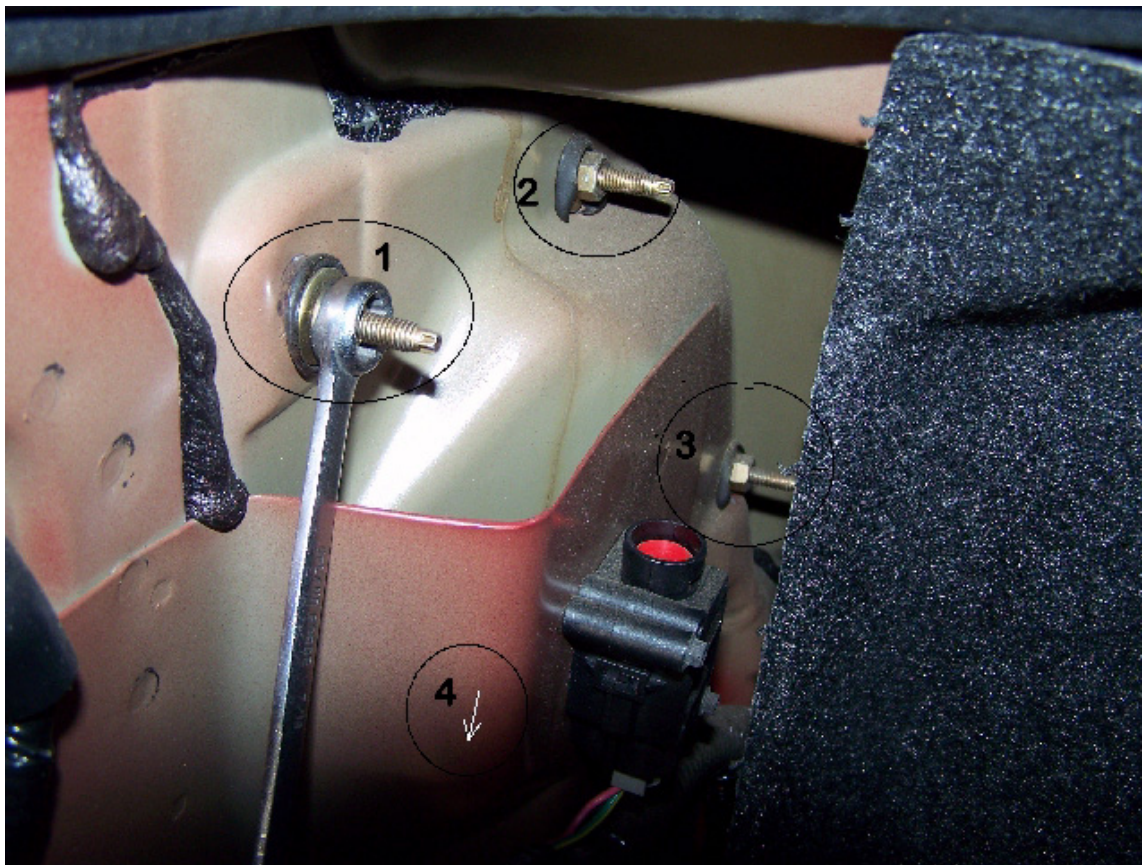
Unscrew and remove threaded plastic barrel fitting



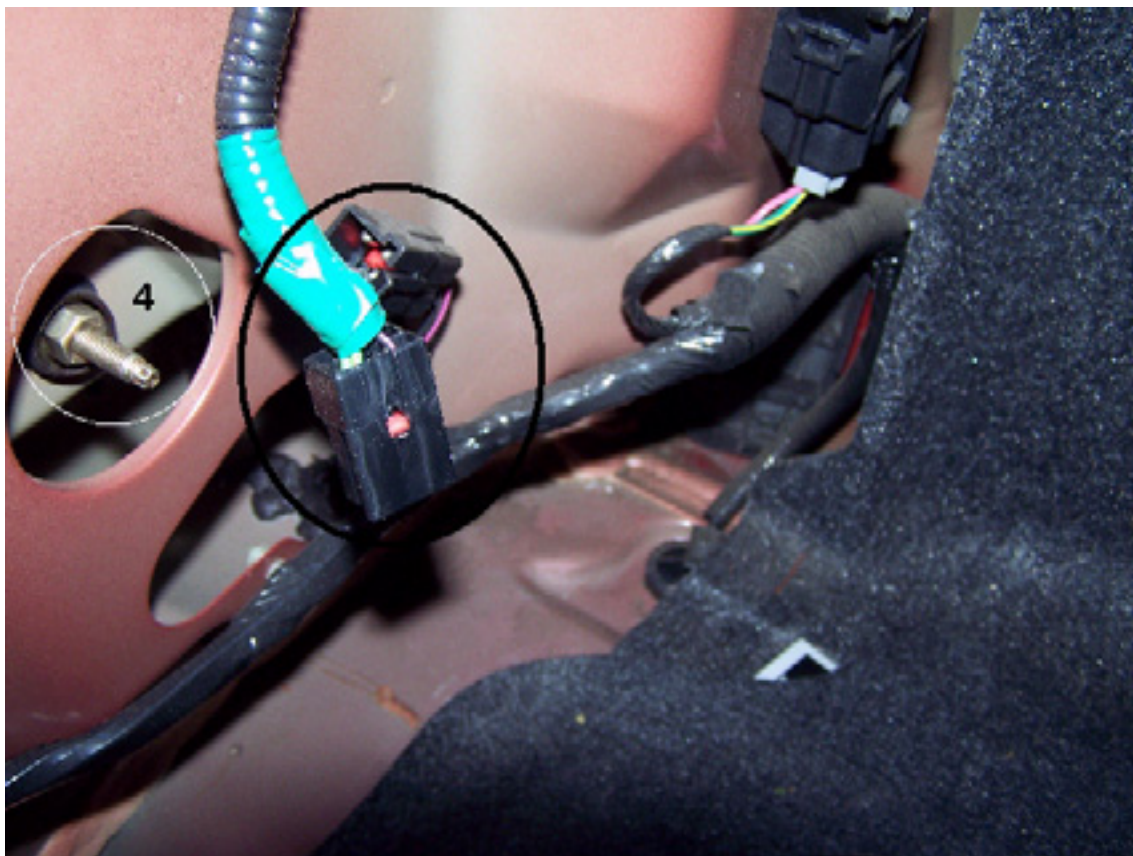
Locate and pry out plastic serrated lower trunk trim retainer



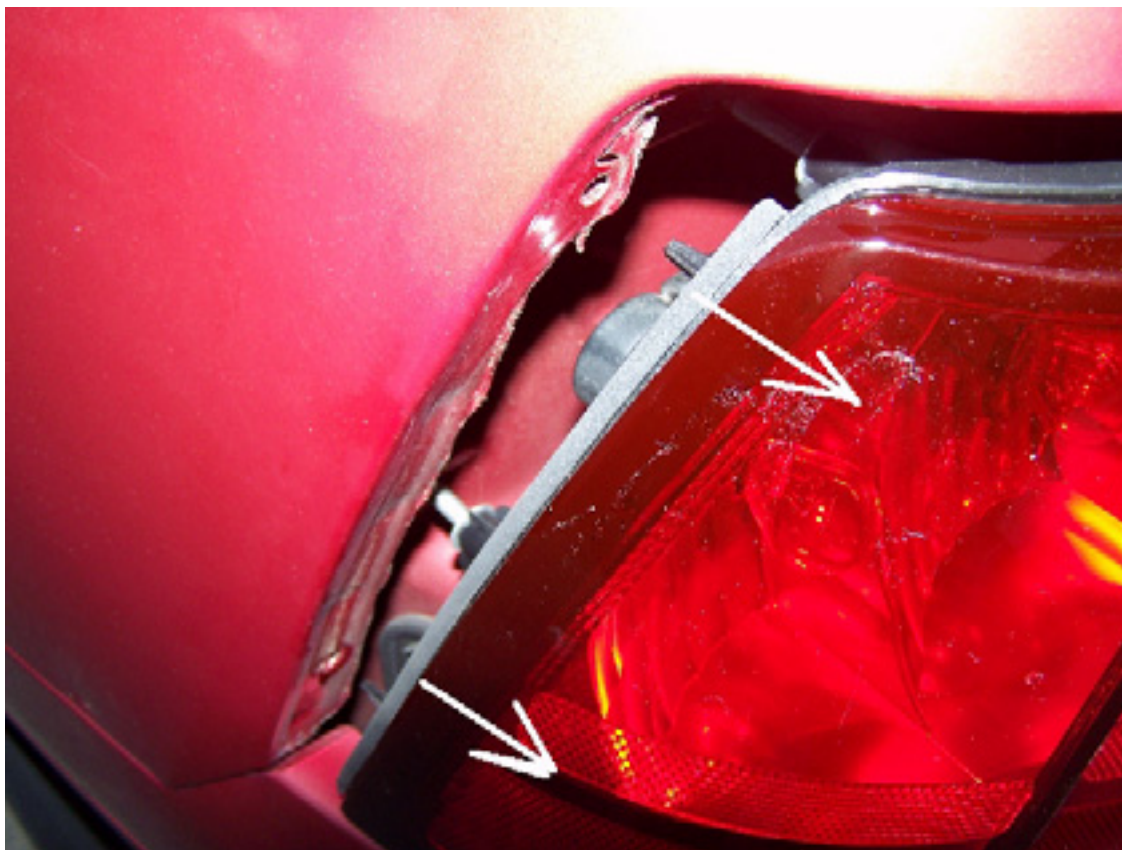
Remove the retainer



Locate and remove the four 10mm lens retainer nuts and rubber anti-vibration washers



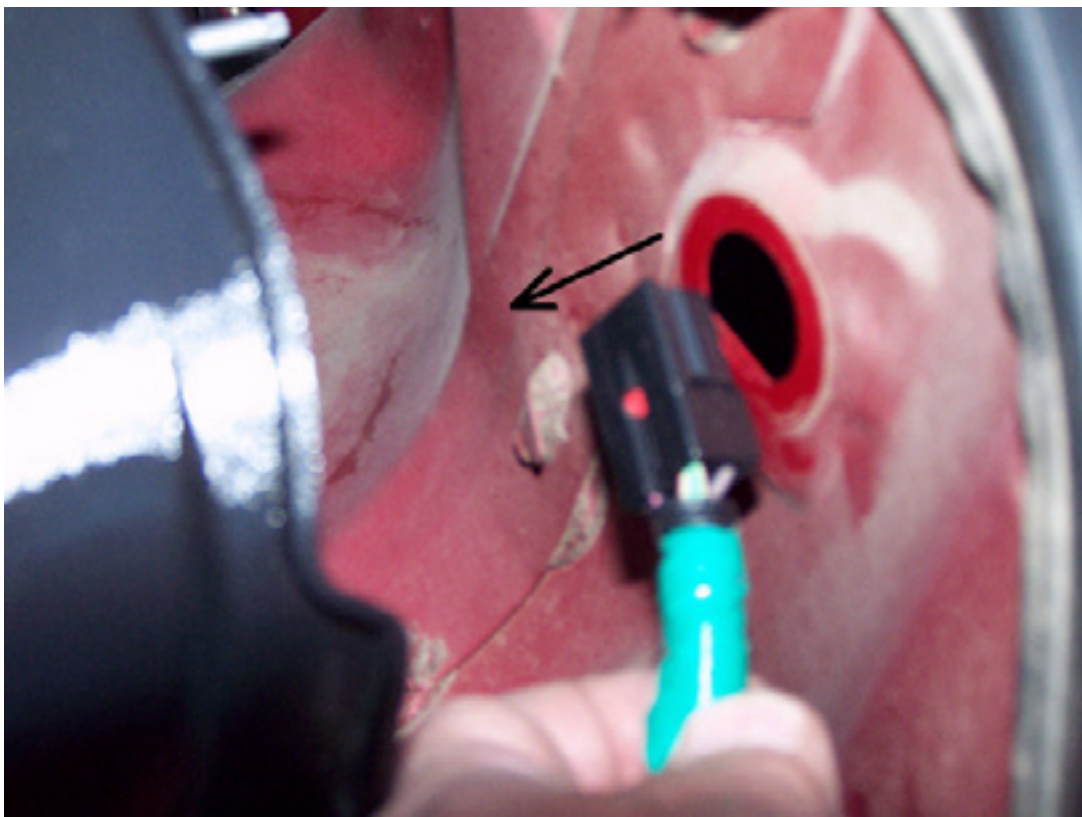
Separate the 4-pin tail light electrical quick disconnect (lift tang and slide the connectors apart).



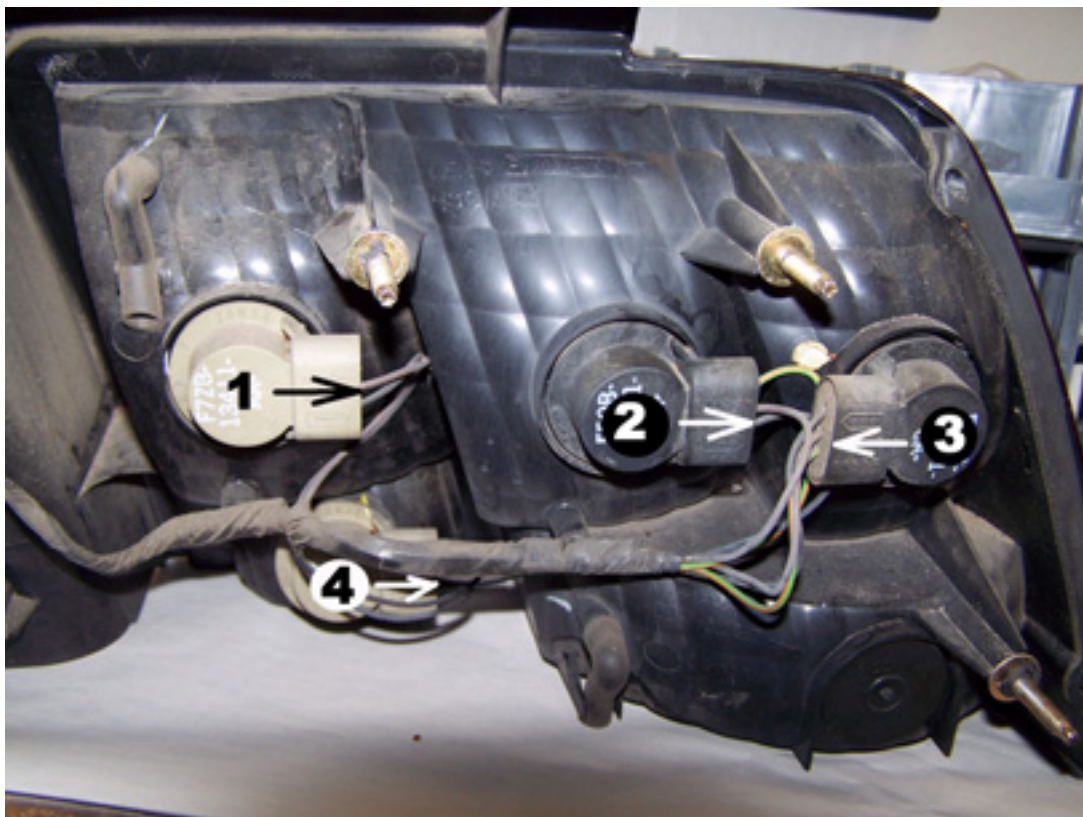
Slide out the lens from the body. There are four studs and two alignment pins to separate the lens from the body.



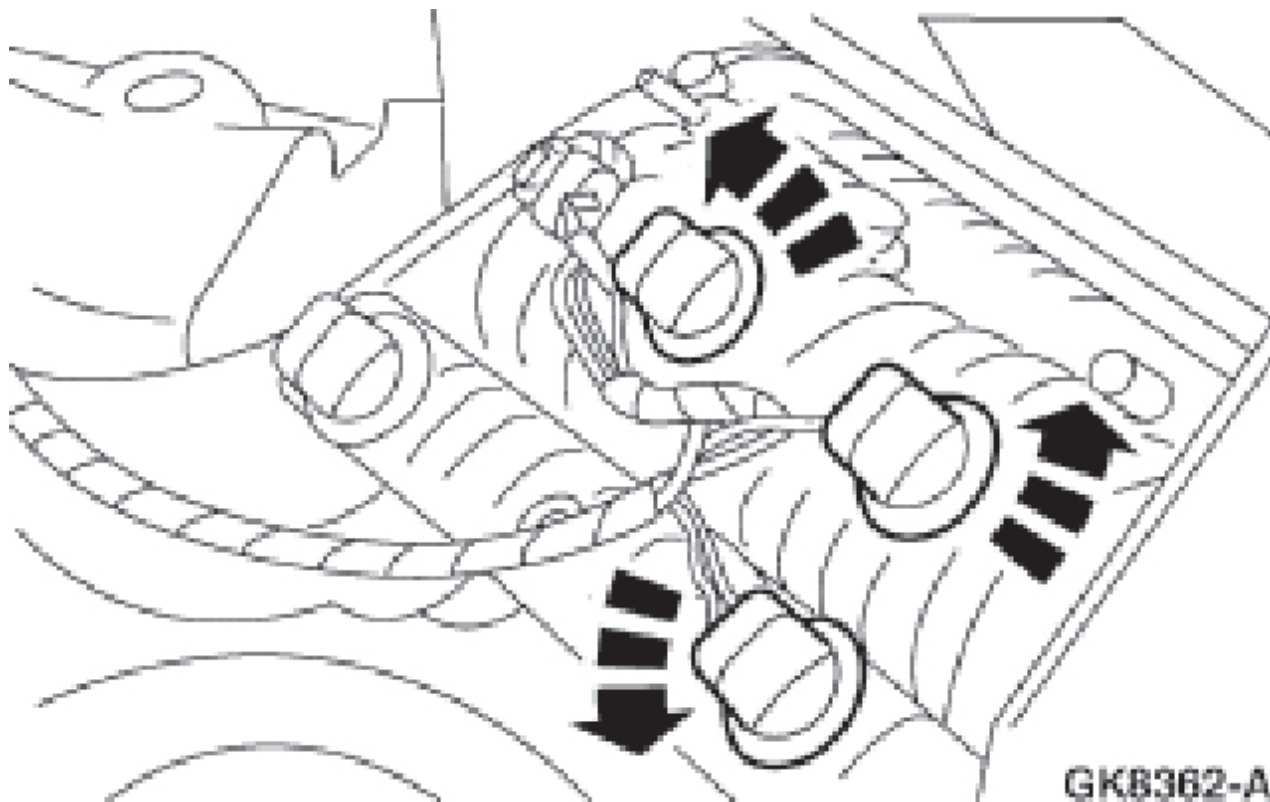
Compress the rubber grommet and push it through the mounting hole towards the red lens



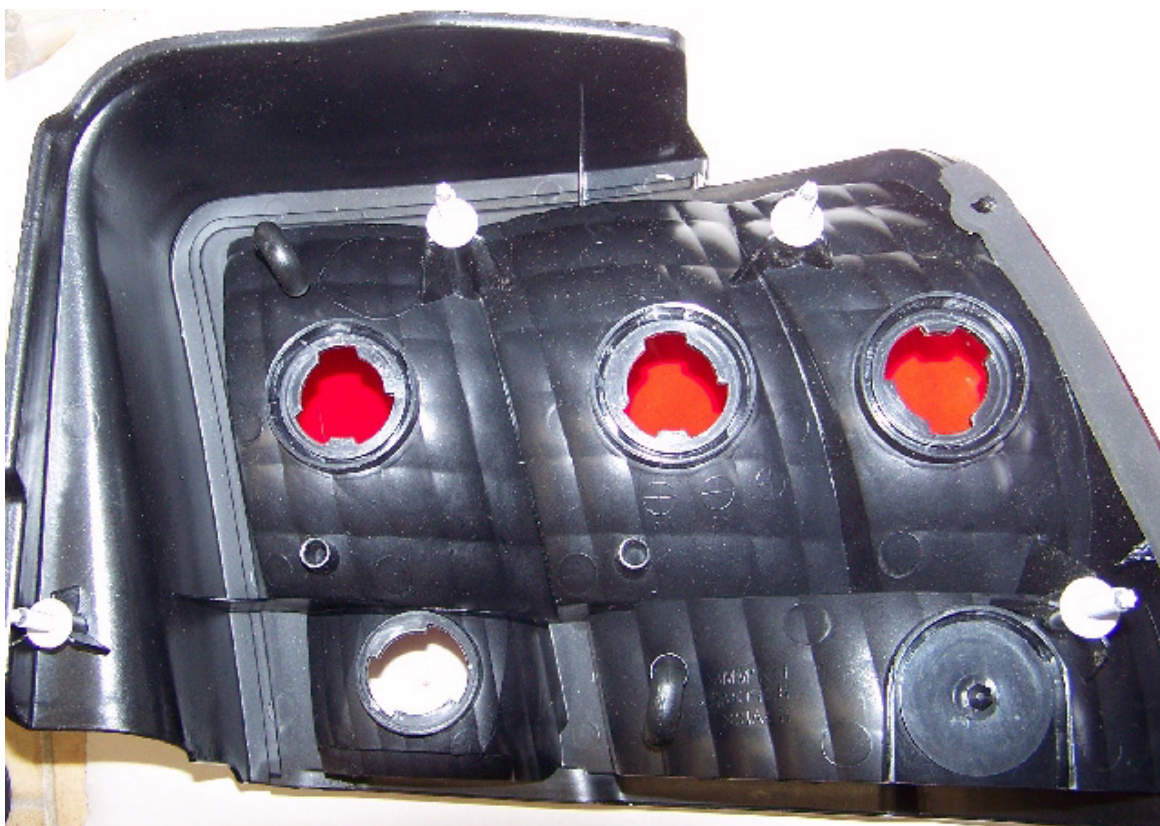
Pull the 4-pin electrical connector through the grommet hole towards the red lens, being careful not to cut or snag the wires on a burr or the sharp edge of the access hole.



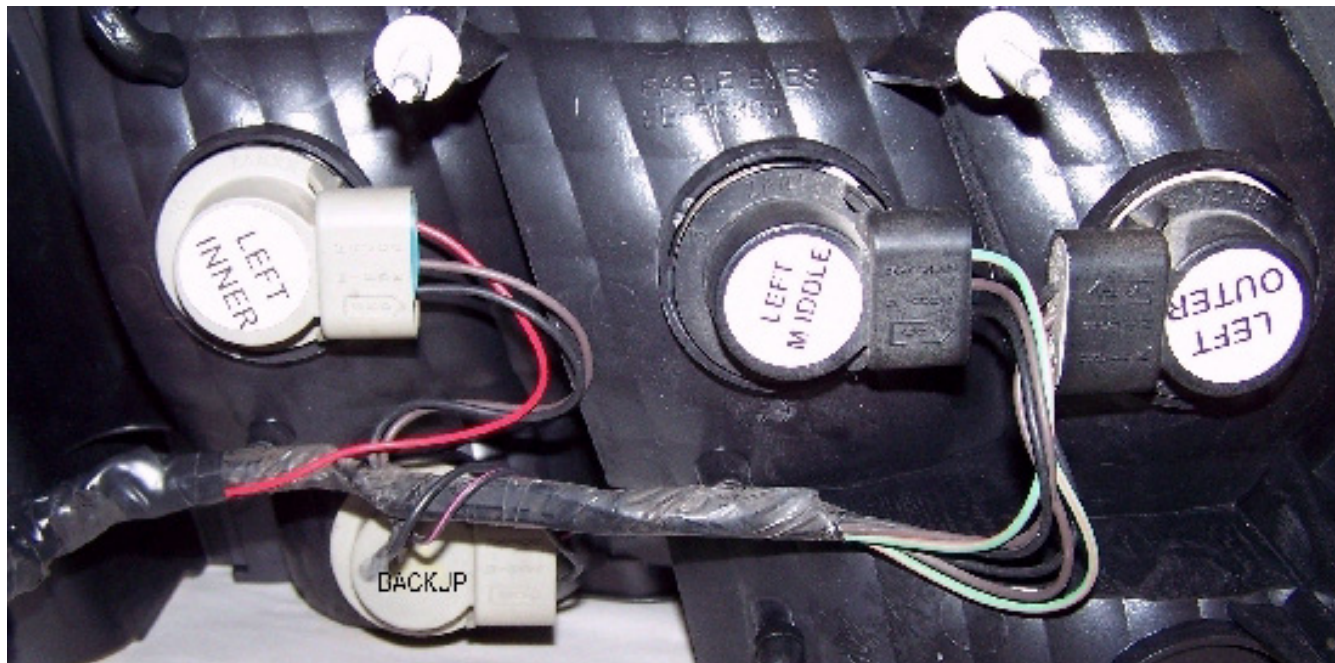
Set the lens on a clean, sturdy, flat surface and note the relative position of each of the four lamp connectors



Grasp each of the four lamp connectors and rotate each of the connectors counter clockwise approximately a quarter turn until they release themselves from the respective housing socket.

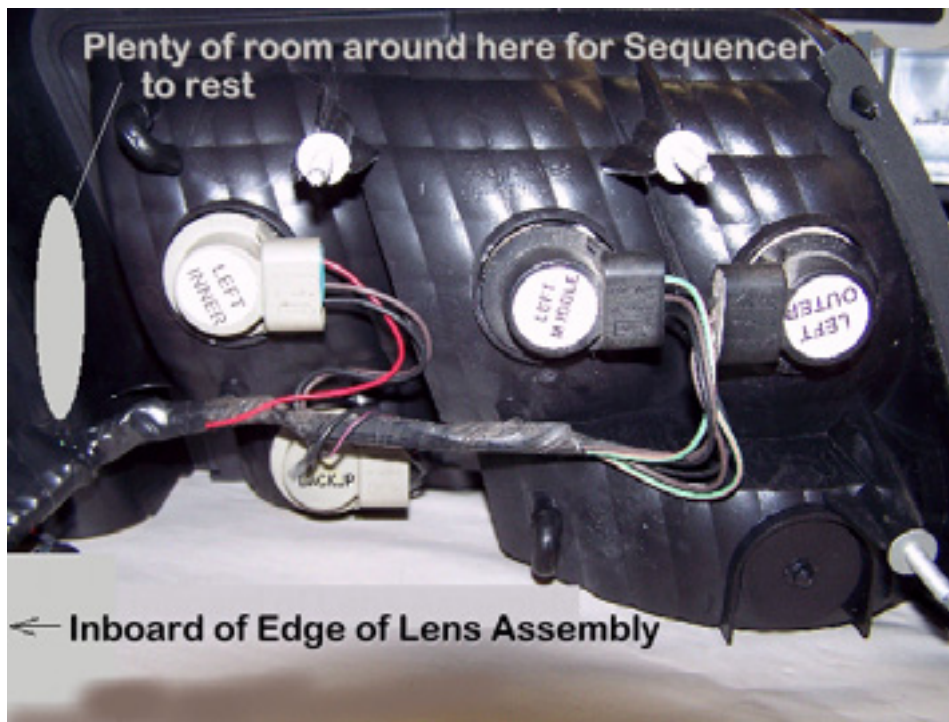


Clean the lens housing of dust and debris, clean the threads of the four mounting studs, check that the housing seal is not broken.



Note the labels on the new Sequencer Harness and install each of the lamp connectors by seating it in the housing hole then rotating it clockwise until it contacts the stop (about a quarter turn)

Installation of the housing is the reverse of removal. Before mounting the lens, test Brake, Parking and Backup bulbs for proper operation - easier to replace them now rather than later.



Please pay particular attention to the placement of the Sequencer Board, which is wrapped within the harness cable. Be sure to place the Sequencer such that it will not interfere with the reinstallation of the lens. There is plenty of room inside the lens housing to position the Sequencer board. The best placement for the Sequencer Board is in the space between the lens and the trunk wall, flat up against the trunk wall.

Slow Cycle Time Flasher

Most folks like the sweeping sequential look to the FlameThrower Sequential Harness with the stock flasher cycle time, others find that the OEM cycle rate too fast and would rather see a slower, more pronounced dwell at the end of the sequence.

A Slow Cycle FlameThrower Flasher is available from Stewart Instruments, Inc.. It is a custom Flasher designed to work with the FlameThrower Sequential Harness on your 96-2004 Mustang. The FlameThrower Flasher is internally configured for a slightly slower cycle time than the stock flasher.

Ensure that your FlameThrower Flasher packing box is marked with an “S” that indicates that the flasher has been configured for a slower cycle time than stock OEM Flasher.

Please contact us at Sales@MustangSequentialHarness.com for info on ordering a Slow Cycle FlameThrower Flasher.

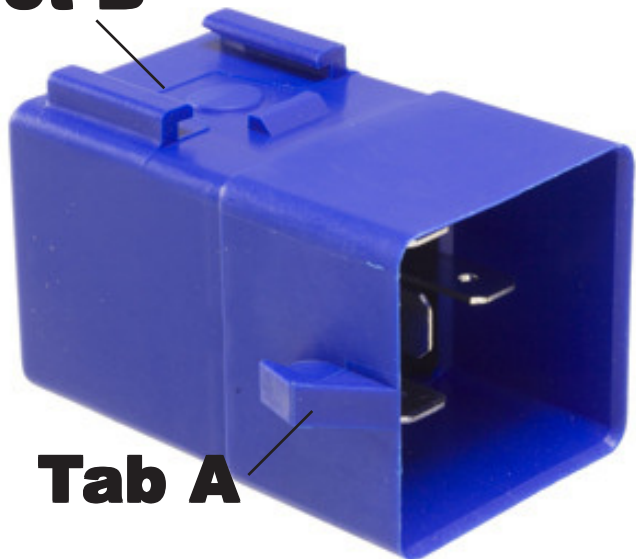


Your OEM flasher is located behind your dash panel, just above the driver’s right kneecap. The OEM flasher is clipped to the firewall (or transmission tunnel), and its connector has a latch to firmly hold the connector to the flasher, and keep the flasher from moving around behind dash.

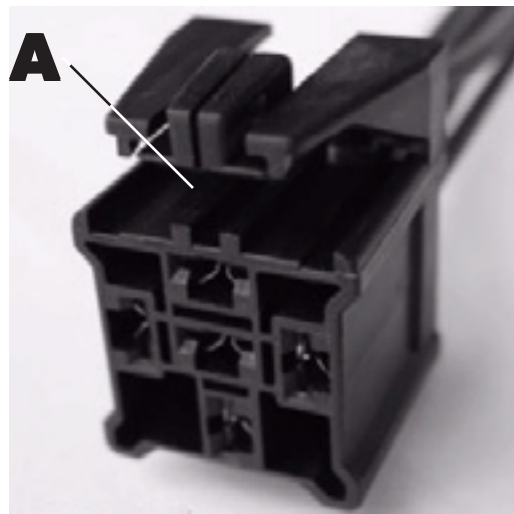
Reach up and grasp the flasher and connector as a group. Then carefully (wiggle &) slide the flasher down and out of the metal clip that is attached to the firewall, frame support, or transmission tunnel. Be circumspect while doing this - there are a lot of sharp edges and pokey things that can (and will) draw blood. Once the flasher is down, lift the latch and separate the flasher from the connector. The plastic latch should still be pliable enough to allow you to lift it and release the flasher, but if you break off the latch, don’t fret, it isn’t all that necessary.

If you are having trouble separating the OEM flasher from its connector, the following photo should help.

Slot B



Slot A



Tab A of the flasher slides into Slot A of the connector, Slot B on the flasher friction fits onto a metal clip attached to the firewall, frame support or the transmission tunnel. The stock OEM Flasher may have a blue, yellow or green body.

This is what most replacement Electronic Flashers look like. Since there are no latching posts (i.e. no tabs or slots) in the body of the flasher, a nylon wire-tie is usually provided to wrap around the flasher body and metal mounting clip on the vehicle to secure the flasher body and keep it from wandering around under your dash. The friction of the spade lugs (the 5 electrical connections) holds the flasher and the connector together if there is no tab on the flasher.



Note also that the OEM flasher has 6 blades that fit into the connector, while the replacement flasher may only have 5 blades. This is normal since, typically, the after market manufacturer eliminates the alignment (smaller, non-electrical) blade. The remaining 5 (electrical) blades are all that are necessary for proper operation. Be careful to align all the blades accurately with the connector when installing the replacement flasher.

Mustang Sequential Harness Installation Guide

Returns

Stewart Instruments warrants this product against electronics manufacturing defects for 90 days, and against remaining manufacturing defect for one year. Please use this page if you are going to return one of our products

- 1) Please email Sales@MustangSequentialHarness.com for an RMA number. Please explain why you are returning your product. You will also be given the exact address to return your product.
- 2) Once you have received the RMA number, please fill out the bottom of this form and include it with your product.
- 3) Package your product carefully so that it gets to us in the condition it left you. We are not responsible for any damage due to shipping and usually do not accept packages that have been damaged in transit. Package your product carefully and securely to minimize delay.
- 4) Generally the cost of Upgrades or Repairs are covered by MustangSequentialHarness.com if your product is within its warranty period. However, you are responsible for the shipping cost to and from our plant. Please include a check or credit card number in the amount of \$5 to cover return shipping. We can also send you a Paypal invoice for shipping costs if you prefer. Product will be shipped when shipping payment clears.
- 5) If you are retuning a NEW product for refund, you will still need to obtain an RMA (as above), and your product must be returned UNOPENED. Product that we receive that has been opened will be returned to you WITHOUT refund.

Name of Product: _____

Date you Purchased Product: _____ What was the price of the product: _\$ _____

Dealer where you purchased product: _____

Your Name: _____

Your Shipping Address: _____

City State Zip: _____

Your Email Address (Make this painfully legible, please): _____

For Shipping Costs (Circle One): CHECK (enclosed) Credit Card (MC or VISA only) Paypal

Name on Credit Card: _____

Credit Card Number: _____ Exp Date: _____

Credit Card Address: (From your statement) _____

City State Zip: _____ Your Paypal Account ID: _____