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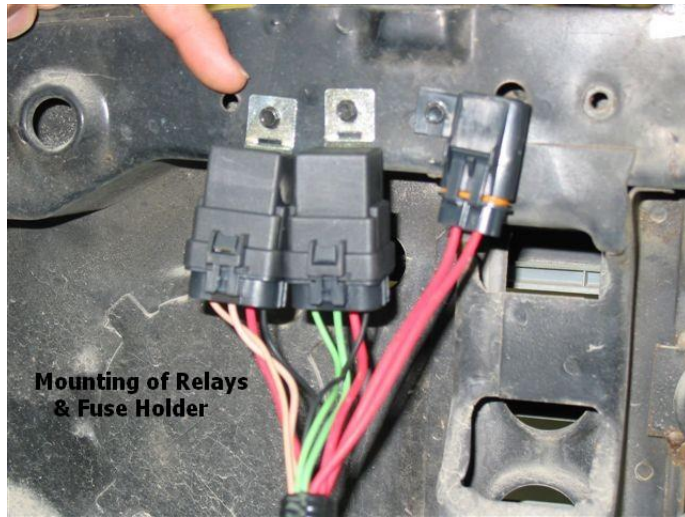
30814

Four Headlight Relay Conversion Harness Installation Instructions

This harness will not work with some factory 90 degree headlight connectors. Contact the Painless Tech department, (800-423-9696), for assistance. Also, those with H4656 bulbs, as shown on page 3, will need to re-pin the low beam and ground wires of the connectors on this 30814 harness for your lights to work properly.

This headlight harness is designed to operate four high power headlights or to relocate the headlights to a remote location. The harness uses relays to transfer power directly from the battery, to the headlights themselves, which protects the electrical system from overloading.

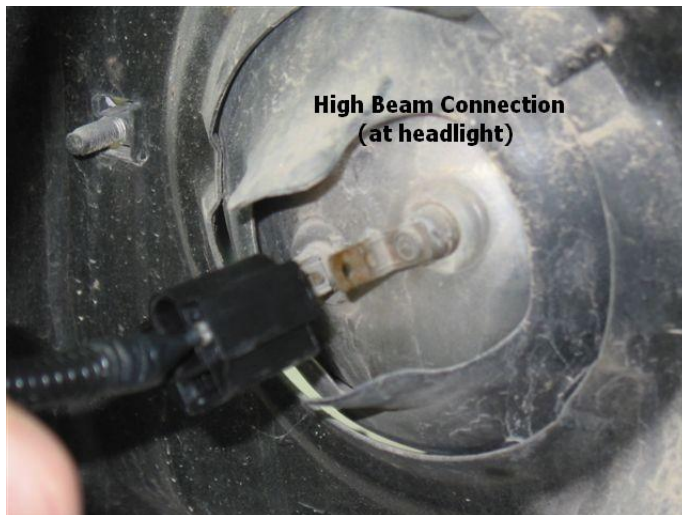
- A. Disconnect the battery
- B. Mount the fuse and relays in a suitable location between the battery or battery source and the headlights.
- C. Route the red wire to a battery positive (+) source. Cut to length. Crimp the yellow ring terminal from the parts bag to this red wire and use a heat gun to activate shrink wrap.
- D. Route the Black wire to a ground source. Cut to length. Crimp the blue ring terminal from the parts bag to this black wire and use a heat gun to activate shrink wrap.
- E. Unplug the headlight connector from one (1) of the original high/low beam headlight bulbs. Plug in the removed (male) headlight connector into the female connector of the Painless 30814 harness.
- F. Plug the four (4) new headlight connectors (of the Painless 30814 harness) onto the two (2) high/low beam and two (2) high beam headlight bulbs.
- G. The extra (old) headlight connectors will not be used (tape and store).
- H. Turn on headlights and check for proper operation.



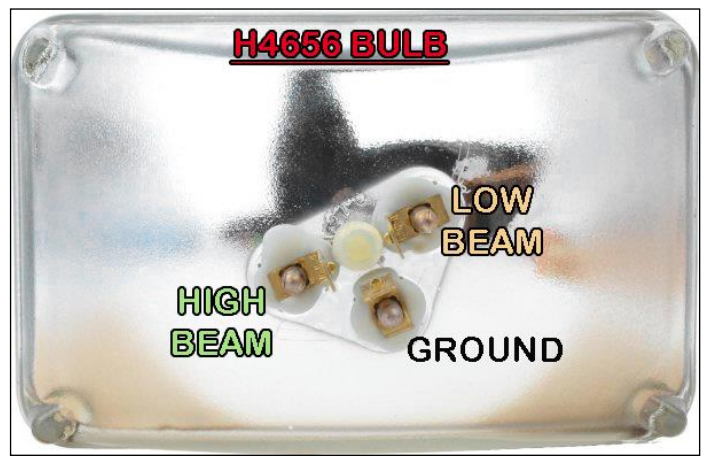
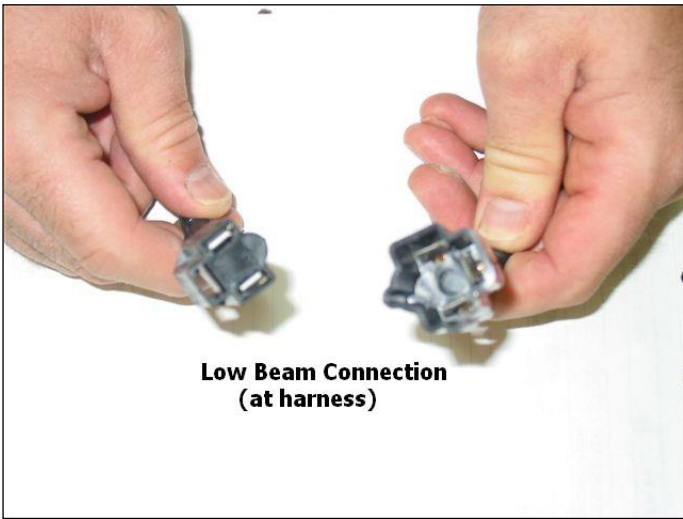
**Mounting of Relays
& Fuse Holder**



**Low Beam Connection
(at headlight)**



**High Beam Connection
(at headlight)**



Re-pinning for H4656 Bulbs



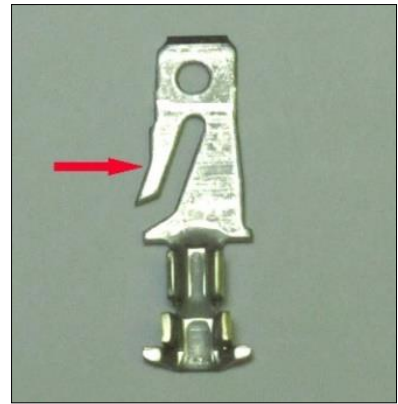
Notice the locking tang that holds the terminal in the connector. Locate the tang access slot on the terminal end of the connector. The connector in the photo is just an example and not a connector found on the 30814 harness. Push a paper clip, stiff wire, or a small flat head screwdriver into the slot to depress the locking tang on the terminal.

Once depressed, pull the harness wire from the connector. Do not pull too hard or you could pull the wire out of the terminal; this leaves the terminal stuck in the connector.

Removal of these wires is simple and will require the use of a pair of pliers and/or a flat head screwdriver:

Squeeze the smaller side of the terminal in towards the center of the terminal. This will allow the terminal to be pulled free of the bulkhead.

The locking tangs of both style terminals will need to be gently pried back out before re-inserting them into their connectors.



Painless Performance Limited Warranty and Return Policy

Chassis harnesses & Fuel injection harnesses units are covered under a lifetime warranty.

All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures.