

Xenon HID kit fitment

6000K 35W

by DannyS for <http://www.jaguarforums.com>

Applicable to the majority of H1
compatible setups.

One in pictures is made by Kensun and
was purchased @ Amazon.com

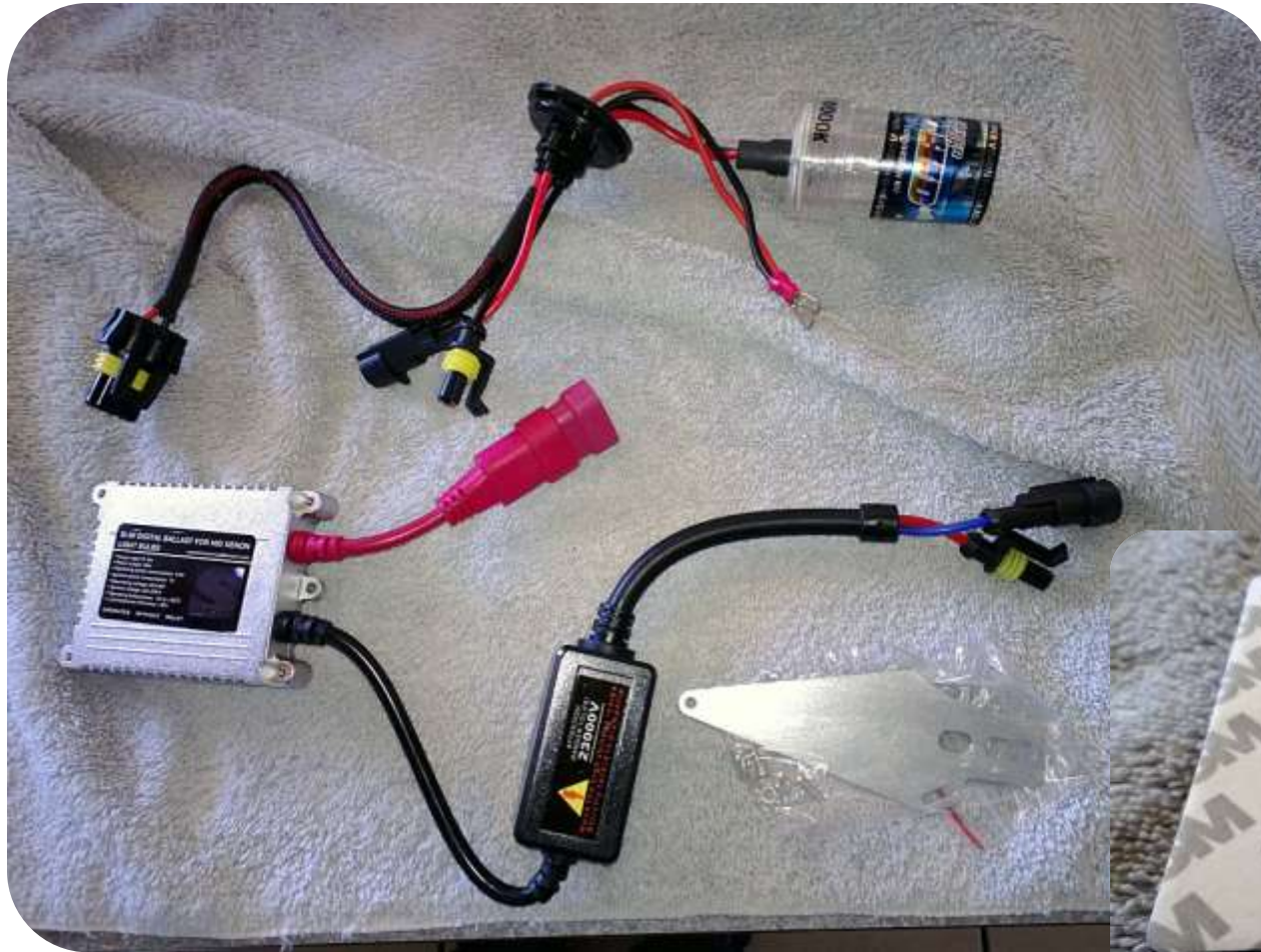
[Void if capable of routing with factory
connectors](#)

After unclipping the lens, move the turn indicator bulb and parking light bulb out of the way (out the inspection cover). The available space on the inner side of headlight assy will be used to sit the ballast and adapter.



Void if capable of routing with factory connectors

This is the Kensun Kit (one headlight) consisting of the Xenon bulb with harness, power in connector held together by seal ring (top), and ballast with red power in cable, black power out (into the Xenon bulb) cable. The double sided 3M pad is ideal to secure the ballast with adapter in desired location without need for drilling etc.



Additional items needed

- Pliers /wire cutters
- Scissors/knife
- Clean/Latex gloves (powder free)
- 18 gauge 300V wire
- Patience ;)



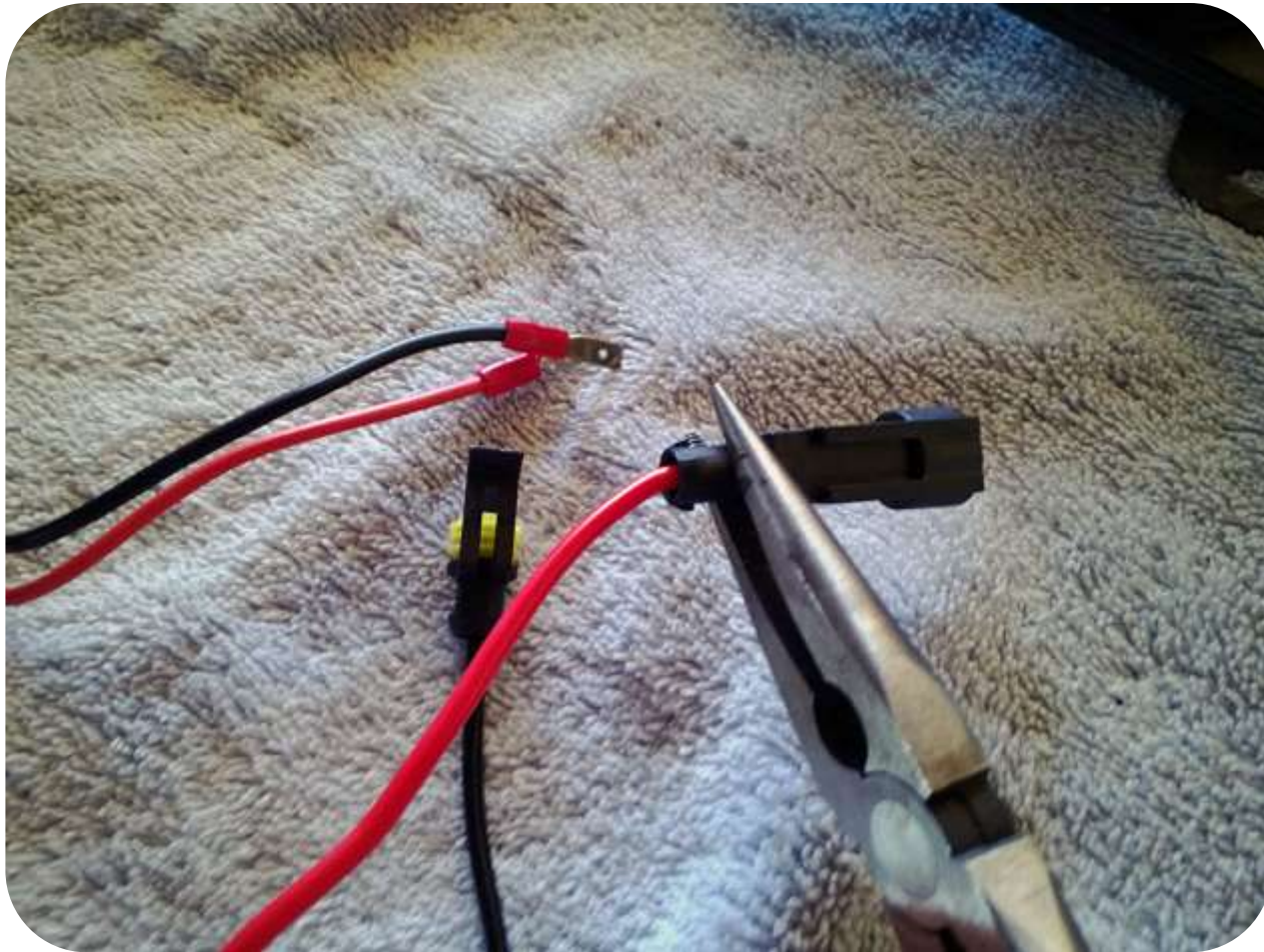
Void if capable of routing with factory connectors

First separate the Xenon bulb harness from the power cord by removing the rubber seal ring. The seal isn't needed any longer as the intent of this job is to fit the entire kit within the headlight hence avoiding factory seal alteration. NOTE, the power cord (from your original H1 power supply wiring to the ballast) does not require any alteration. Simply put it aside.



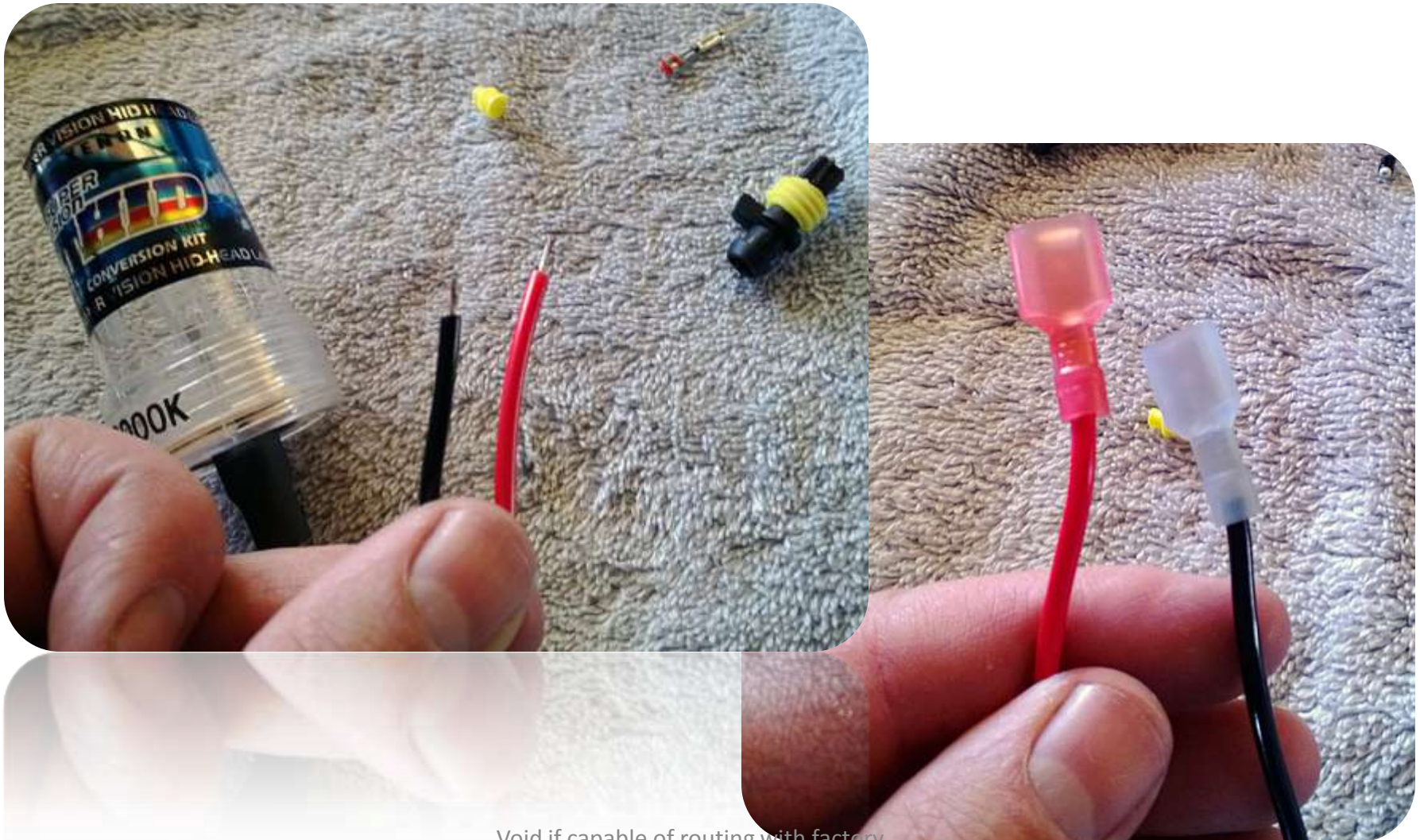
Void if capable of routing with factory connectors

When separated, take the Xenon Bulb (still in protective casing), and strip the harness connectors. If they won't budge, feel free to cut them off with as little wire behind them as possible.



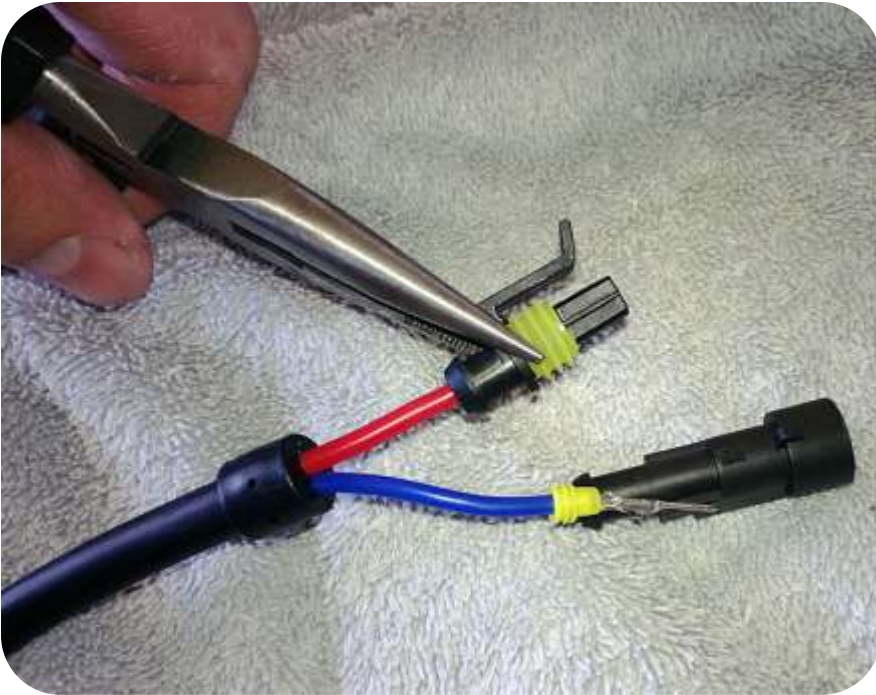
Void if capable of routing with factory connectors

Strip just enough wire sleeve and attach connector of your choice (wire taps etc.). It should be a socket/plug connector type bridge simply because even Xenon bulbs go bad, and you're going to have to replace your kit specific bulb eventually.



Void if capable of routing with factory connectors

Next find the power out cable from the ballast (shown on picture number 7a ☺), and strip it clean of connectors/cut them off.



7a – adapter w/power out



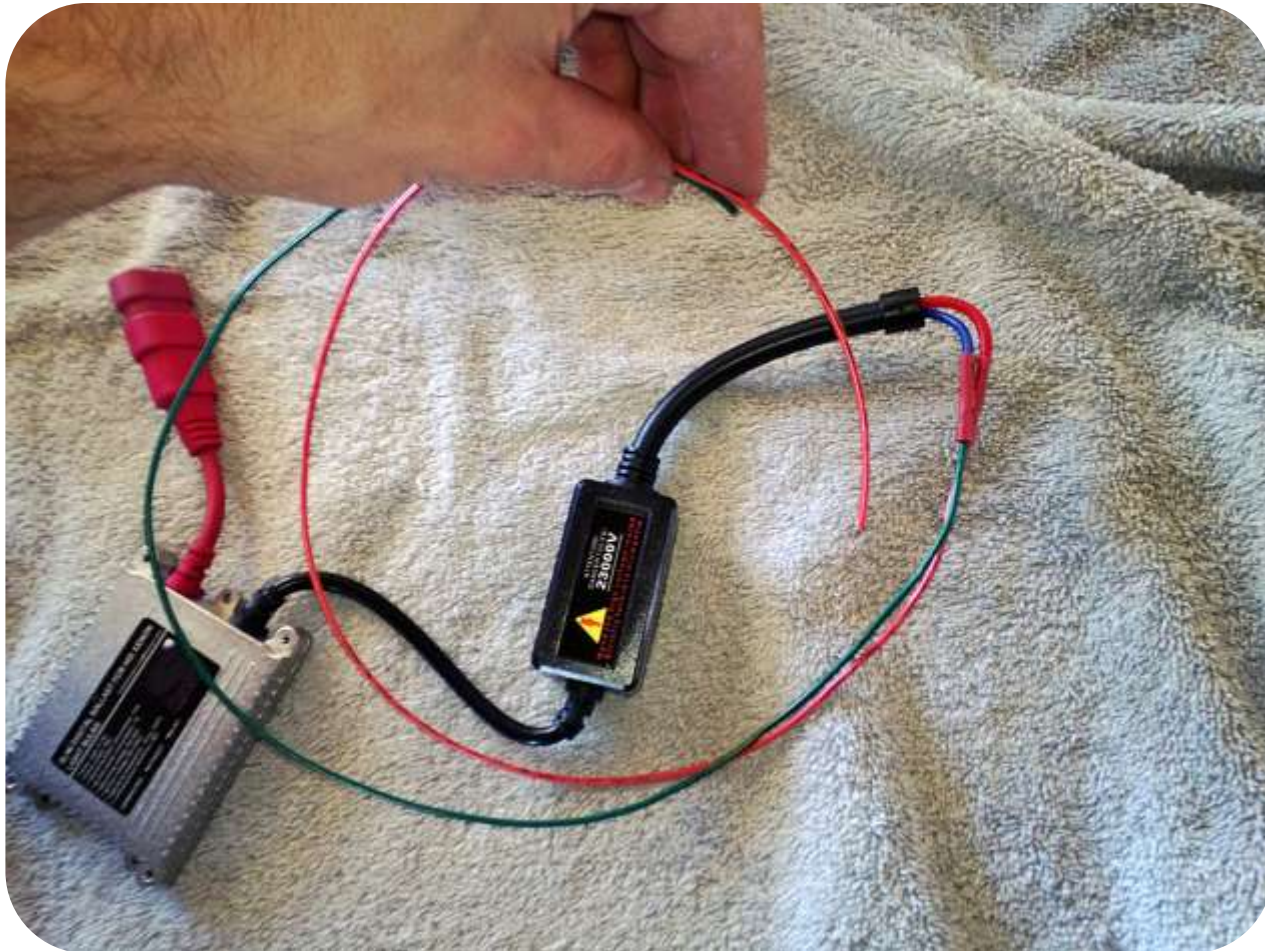
Void if capable of routing with factory connectors

When you have the power out cable ready, pick a connector or bridge of your choice and put it in place. You can opt for permanent bridge because this power out harness will be extended with additional wire which will in turn connect to the Xenon bulb harness at its other end. That's the part where you'll need to match the connector of choice used on the Xenon Bulb harness...confused already? ;)



Void if capable of routing with factory connectors

Next install enough wire to reach behind the dip beam (light bulb socket area) from the ballast placement location (remember stay within the headlight). Color coding of the wires is not important, but could be helpful. Regardless, the red will connect with red, but the original blue will be connected to a black one instead.



Void if capable of routing with factory connectors

10a) Route the power in cord unaltered from bulb socket to the presumed ballast location. 10b) Route the power out cord with wire extensions in similar manner.



10a



10b

Void if capable of routing with factory connectors

11a) Remove the Xenon light bulb from the plastic casing. Make sure you wear gloves and try not to touch the glass. 11b) Remove your old H1 bulb and install the Xenon Bulb in it's place. 11c) Place the old H1 bulb in the Xenon bulb's casing should you need to use it at a later time...or dispose of it properly.

11a



11b



11c



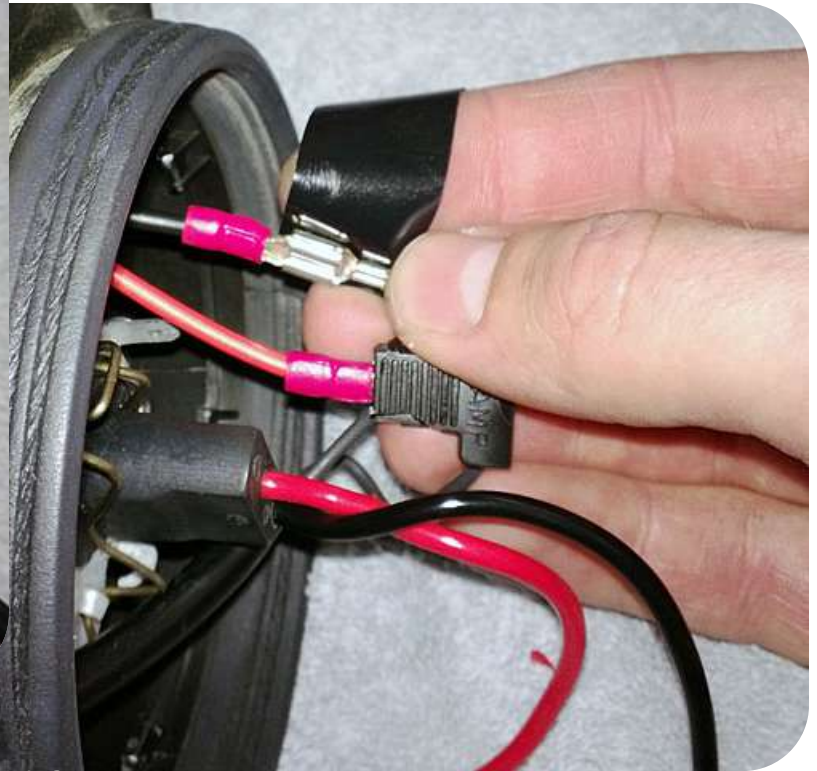
void if capable of rolling roll factory
connector

12a) Once you are comfortable with your fit proceed to connect the factory H1 power wires to the unaltered harness leading to the ballast. 12b) Reinstall the original L shaped connector cover and protect the other exposed connection with electrical tape (or not 😊).

12a

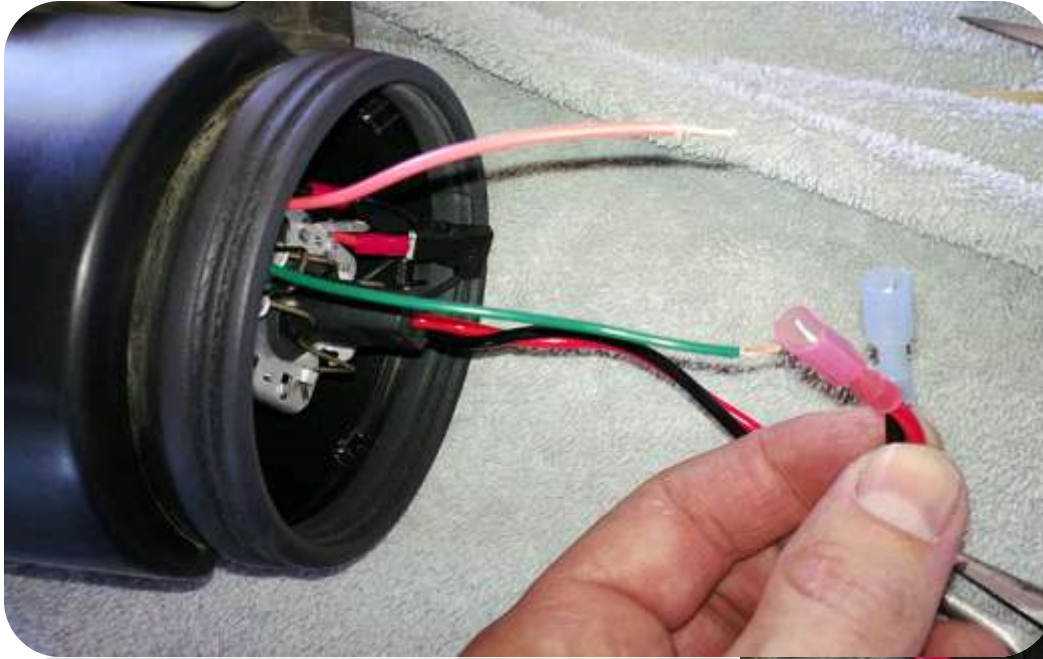


12b



Void if capable of routing with factory connectors

Find the wire extensions from your power out harness (from ballast to bulb) and install proper socket/plug connector compatible with the socket/plug connector fitted on the Xenon bulb harness at the very beginning. Connect the Xenon bulb harness to the power out from the ballast/adaptor harness. Remember to marry the wire colors properly.



Void if capable of routing with factory connectors

14a) In the respective ballast location connect the power in (from factory H1 power harness) to the appropriate ballast in connector. 14b) Use 3M double sided adhesive pad to secure the ballast, power adapter and rest of components/connectors of your choice in place.



14b



14a

Not a suitable of routing with factory connectors

Enjoy your new brighter nights of motoring ;).

Final look after closing the headlight



My old H1 vs Xenon



Void if capable of routing with factory
connectors