

# LUMENS HIGH PERFORMANCE LIGHTING

[www.lumenshid.com](http://www.lumenshid.com)

## H13 Bi - Xenon Installation Instructions

### WARNINGS:

- i) Never touch the glass on a headlight bulb - this goes for both halogen and Xenon HID bulbs
- ii) You should disconnect your battery from the vehicle to ensure that you don't electricute yourself. The ballasts in the kits produce high voltage that can serious harm you if accidently powered without the bulbs connected.
- iii) The Xenon HID Lights should never flicker. If they are flickering, you may need additional components not included. Please contact us for more information and help to diagnose the issue with your vehicle. Do not turn on the Xenon HID Kit until the problem is resolved.

### INSTRUCTIONS:

1. Check contents of your kit. You should have:



2 x Ballasts



2 sets of brackets



1 x H13 Harness



2 x H13 Bi-Xenon Bulbs

2. Remove your existing halogen bulbs from the vehicle (refer to your vehicle's owner's manual for instructions). Do not touch glass on bulb, and store properly in case you remove the Xenon HID Conversion kit, these bulbs may be re-used.

3. Install and secure the H13 Bi-Xenon Bulbs into the headlight housing (reverse of how you remove your existing halogen bulbs). The base and the actual bulb on the H13 Bi-Xenon Bulb can be split into 2 pieces to make your installation easier. We recommend you to split the 2 pieces apart when installing to ensure that you don't accidentally touch the glass on the bulb. Install the base first, then insert bulb back into base and twist lock.



Notice arrow pointing at 'lock'



Twist bulb counter clockwise from base



Remove bulb from base

4. Assemble brackets on to the ballasts:



5. Plug the 2 'AMP' Connectors from the ballast to the H4 Xenon HID Bulb 'AMP' Connectors (there are a total of 4 pairs of connectors to plug).

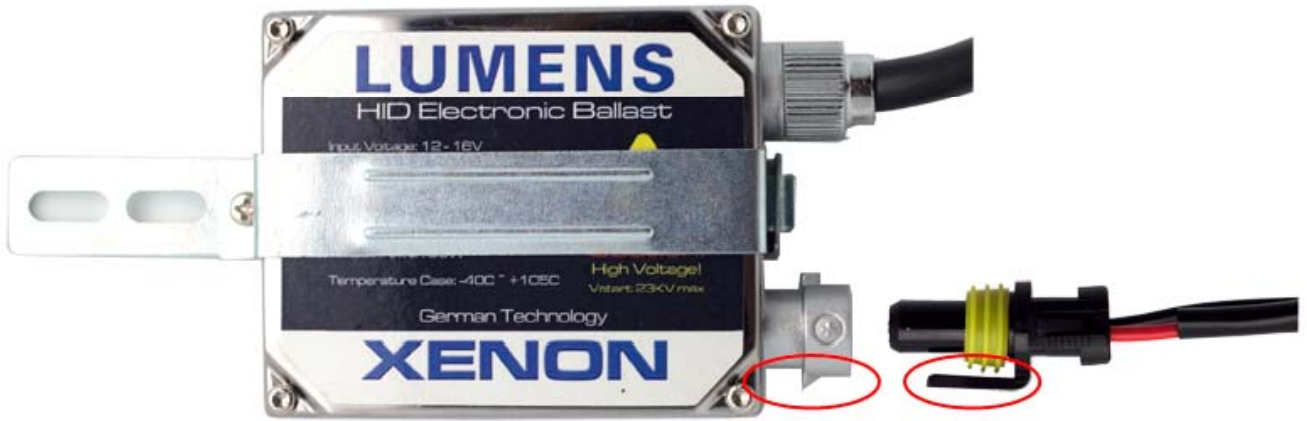


6. Mount Ballasts. Ensure that the power connector hole on the ballast is facing down to ensure that moisture and condensation doesn't build up inside the plug. Also, keep ballast and other parts from the kit away from moving parts and parts that produce heat. One suggestion would be to bend the mounting bracket 90 degrees and mount bracket on radiator bar so that the ballast hangs off the radiator bar.



7. Note the side that the vehicle's battery is on. Plug the H13 plug from the harness in to the vehicle's headlight socket (that you unplugged from the original halogen bulb) closest to the battery. The other socket will not be used - please secure and insulate the opposite socket.

8. Plug ballast plugs from the harness to the ballasts. (Note that the clip from the plugs on the harness should clip to the angled notch on the ballast's power hole). On the harness, the wires to one of the ballast plugs is longer than the other. The plug with the shorter wire is to be plugged into the ballast closest to the battery. The other plug will have to be run across to the other side of the vehicle. Secure all wires away from heat, moving parts, and weather.



9. Plug the High Beam / Low Beam control wires from the harness to the H13 HID bulbs (one on each bulb).



10. On each side of the vehicle, secure the ground points to good ground points.

Ground this connector



Be sure to sand down any paint or rust to create an excellent ground point. Do not extend the ground wire. Do not attach ground to another ground point for other devices that may interfere with the HID ballast. Poor grounds will cause intermittent problems will lights not coming on, radio interference, etc.

11. Mount the H13 module from the harness away from heat, moving parts and weather.

12. Connect the fused red power wire from H13 harness directly to battery. Jumping terminals and other power points may not provide adequate power for the ballasts to operate correctly.

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## H1 3 Bi - Xenon Wiring Diagram

