

# LUMENS HIGH PERFORMANCE LIGHTING

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## 90047 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 electrocute yourself. The ballasts in the kits produce high voltage that can serious harm you if accidentally 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 90047 Harness



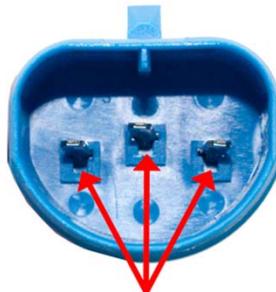
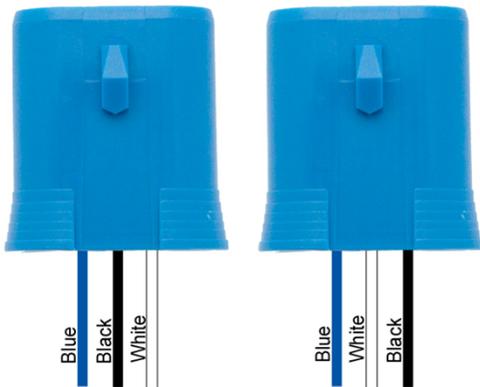
2 x 90047 Bi-Xenon Bulbs

2. This kit is designed to work with both 9004 and 9007 bulb applications. Determine if you need 9004 or 9007 for your vehicle's application (you can check your vehicle's owner manual).
3. Check the blue plug on the 90047 Harness to ensure that the wiring matches the bulb application you need:

**9007**

**9004**

If the wires are not correctly pinned, re-pin accordingly:



To remove pins, you need a very sharp / pointy object to push the 'locks' in order to slide the pins out.

Note that you need to push this clip in to remove pin from plug (be sure to bend it back out when inserting pin back into plug)



4. 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.

5. Install and secure the 90047 Bi-Xenon Bulbs into the headlight housing (reverse of how you remove your existing halogen bulbs).

6. Assemble brackets on to the ballasts:



7. Plug the 2 'AMP' Connectors from the ballast to the 90047 Xenon HID Bulb 'AMP' Connectors (there are a total of 4 pairs of connectors to plug).

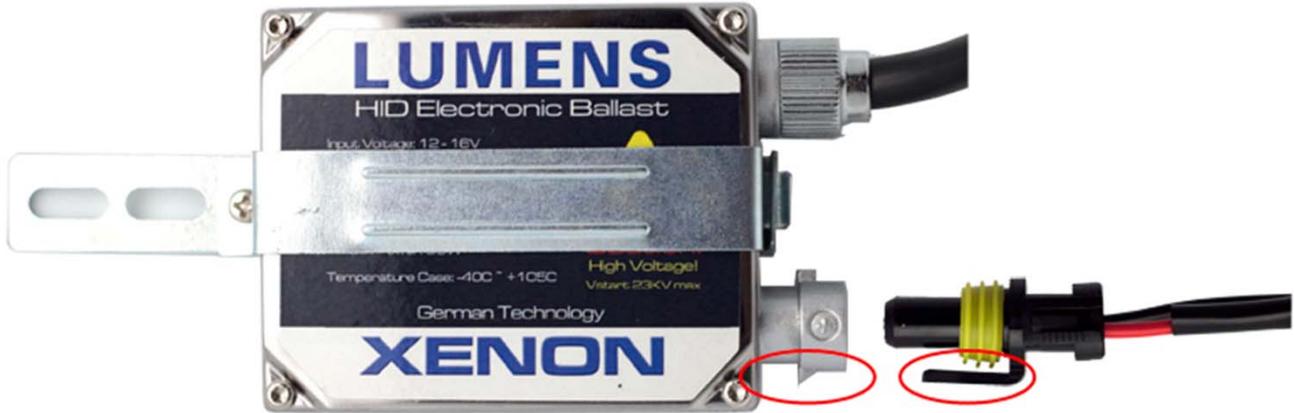


8. Mount Ballasts. Ensure that the power connector hole on the ballast is facing down to ensure that moisture and condensation doesn't build up inside the plug. Also, keep ballast and other parts from the kit away from moving parts and parts that produce heat. One suggestion would be to bend the mounting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

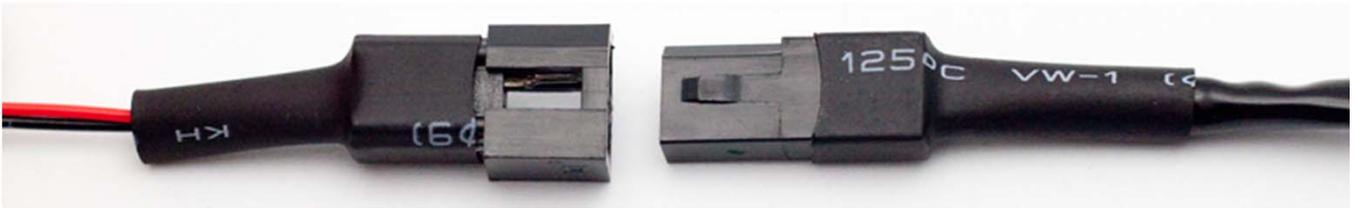


9. Note the side that the vehicle's battery is on. Plug the blue 90047 plug from the harness in to the vehicle's headlight socket (that you unplugged from the original halogen bulb) closest to the battery. The other socket will not be used - please secure and insulate the opposite socket.

10. 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 runned across to the other side of the vehicle. Secure all wires away from heat, moving parts, and weather.



11. Plug the High Beam / Low Beam control wires from the harness to the 90047 HID bulbs (one on each bulb).



12. 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.

13. Mount the 90047 module from the harness away from heat, moving parts and weather.

14. Connect the fused red power wire from 90047 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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## 90047 Bi – Xenon Wiring Diagram



9007



Blue  
Black  
White

9004



Blue  
White  
Black

Plug to vehicle's headlight socket closest to battery. Confirm that wire colors are in correct order for needed bulb application.

There are 2 additional plugs behind the 9004 / 9007 plug. These are only used for vehicles requiring additional RES2 modules (not included). If your vehicle requires additional RES2 modules, plug them into the appropriate connector(s) here.

RES2 (not included)



High Beam Connection for RES2



Low Beam Connection for RES2

