

DIODE DYNAMICS

Single Beam with Relay HID Installation Guide

5. Connect the positive and ground wires: Connect the positive fork terminal Ⓢ to the positive battery terminal. Connect the negative fork terminal Ⓢ to the negative battery terminal if possible. You can also use any metal screw, bolt, etc. to ground the relay harness. Be sure that there is no paint where you are making contact as this may interfere with the ground connection.

6. Connect the relay to the ballasts: Connect the relay power outputs to the ballast input connector on each side of the vehicle. Ⓢ

7. Connect the relay to the bulb: Connect your relay signal wire to the female HID connector that you left hanging on the battery side of the vehicle. Ⓢ

****Optional:** if radio interference exists after installing kit, connect the blue wire from the ballast to a ground point on the chassis. Ⓢ

TESTING YOUR KIT

Before you mount your ballasts into place and hide the wires, test your kit. Make sure all connections are secure. Connect the negative battery terminal back to the battery, and turn on your lights. Test the system with the vehicle off, and with the vehicle on, started and running.

NEED MORE HELP?

Scan the QR code to link to our online troubleshooter.

You may also visit the troubleshooter on our website at www.diodedynamics.com.



Please contact **Diode Dynamics** should you have any questions about the installation or wiring process, at **314-205-3033** (9a-5p CST) or contact@diodedynamics.com.

Visit www.diodedynamics.com to find more products for any vehicle.

100% SATISFACTION
GUARANTEE

3 YEAR
WARRANTY



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PERFORMANCE LIGHTING TECHNOLOGY

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READ FIRST: Turn vehicle completely off before beginning installation. Disconnect the negative battery terminal for safety. Please refer to your vehicle's owner's manual for specific instructions on headlight removal. These instructions serve only as a guide and Diode Dynamics is not responsible for any damage or loss caused by installation. By installing these products, the user acknowledges and agrees to be responsible for any risk and damage caused. Our warranty is only applied with proper installation of the items, as described, and does not cover installation error.

What's included: two ballasts, two HID bulbs, 3M mounting pads for the ballasts, relay

**3 YEAR
WARRANTY**

Tools Needed: socket wrench, 1" drill bit to drill a hole in your dustcaps (if applicable)

Estimated Time: 60-120 minutes

1. Remove the factory bulb: Reference your vehicle's manual for instructions on accessing the bulb. You may need to remove a dust cap from the back of the light assembly. Unplug the factory connector from the back of the bulb. Remove the bulb from the socket.

2. Install the HID bulb: Remove the protective plastic cover from the HID bulb, being sure not to touch the glass of the bulb itself. Place the HID bulb into the headlamp socket.

**If your vehicle uses dust caps, drill a 1" hole in the dust cap in order to run the wires out of the headlight. The included grommet will be used to seal this new hole from condensation.

3. Connect the ballast to the bulb: Plug the circular connectors coming from the bulb into the corresponding ballast connectors. **(A)**

4. Plug in the signal wires: Take the black and red signal wires of the HID bulb and insert them into the vehicle's headlamp power socket. **(B)** This is the plug that you previously disconnected from the factory bulb. Try to match the wire colors, so that the black signal wire lines up with the black wire in the plug.

**Since you are using a relay you will only use the HID input wires on the battery side of the vehicle as seen in the diagram on Page 2.

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