

Single beam HID Install w/Relay

Also applies to fog light installations

Instructions:

Step.1 Remove the stock bulbs from the OEM locations.

Step.2 Insert the HID bulb capsules into the OEM housing locations.

Step.3 Find a suitable location to mount the HID ballasts. When selecting a suitable mounting location be sure and avoid sources of heat, moving parts, and moisture. Also consider a location that will provide easy accessibility in the event of a future failure.

The ballasts will need to be located close enough to the bulb location so that the AMP connectors reach the stock bulb locations.

Step.4 Once the location is determined, take the male and female AMP connector from the ballast and connect them to the male/female AMP connectors on the bulb capsule. (**fig. 1**). The ballasts will need to be located close enough to the bulb location so that the AMP connectors reach the stock bulb locations.

Step.5 The relay harness will need to be connected directly to the vehicles battery. Before making the connects it is suggested that the relay harness be laid out in the vehicles engine bay in order to help better determine a suitable routing location. This should include ballast placement. The harness will need to reach both ballasts, pay carefull attention to this step. ****NOTE**** One side of the harness is longer than the other. The LONGER side of the harness should be routed to the side of the vehicle opposite the OEM battery location

Step.6 Remove the main power fuse from the relay harness prior to making the connections to the vehicles battery. (**fig. 2**)

Step.7 Loosen the positive terminal (+) on the vehicles battery and connect the RED ring connector (**fig. 3**) to the terminal. Be sure and tighten the terminal once the connection has been made.

Step.8 Connect the BLACK ring connector (**fig. 4**) to the vehicles NEGATIVE (-) terminal. Be sure and tighten the terminal once the connection has been made. You may also connect the BLACK ring connector (**fig. 4**) to a suitable chassis ground. It is recommended that a self-tapping screw (not included) is used to secure the ground. Ground location should be bare metal and free of any paint. ****NOTE**** On some relay bulb harnesses you will find a BLACK ring connector located at each of the power input harness (**fig. 7**) You will need to ground both of these to the car's chassis

Step.9 Once the power and ground connections are secured, carefully route the power ends to the locations of the HID ballasts.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Single beam HID Install w/Relay (2)

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Instructions:

Step. 10 Locate the power input harness (**fig. 6**) on the power harness and connect it to the vehicles OEM harness. ****NOTE** only ONE of the vehicles OE headlight harnesses will be used.

Step. 11 Next, take the relay harness power connectors (**fig. 5**) and connect the male end into the power input (fig. 6) on the ballast. This step will be done for EACH ballast.

Step. 12 Once your connections are secure, ballasts are securely mounted, reinsert the main power harness fuse.

Step. 13 Double check all connections, starting with the AMP connectors on the bulbs, work your way backwards checking both the input harness to the ballast, and the input harness from the OE headlight plug to the relay input.

Once you've checked all the connections, and the ballast are secure and clear of moving parts, and excessive heat sources, turn the vehicles headlight switch to the "on" position.

Troubleshooting:

It is possible for some vehicles polarity to be opposite of the ballast. If your headlights fail to ignite, simply unplug the input harness and rotate it 180 degrees, re-insert and test again.

Be sure your cars headlights are NOT in the "auto" position

It is not recommended that you start your vehicle with your headlights on.

Check you vehicles OE headlight fuses. Refer to the vehicles owner's manual for fuse locations.

If your HID headlights come on, but flicker, you may need to install a relay harness. This is common in older vehicles.

It is normal for the HID headlight to "warm up" typically the HID system will need 6-7 seconds for full operation.

