

# DELTA®

## 500 Series H.I.D. Light System WIRING & INSTALLATION INSTRUCTIONS



**DELTA TECH INDUSTRIES, LLC • (714) 577-8028**



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- 1. Plug Power Cable** terminals from **(OUT)** on the **Ballasts** into two HID Burner wire leads which are located in the back of the light.
- 2. Plug** the other cable leading from **(IN)** on the **Ballast** into a relay feed cable.
- 3.** The red wires, on the feed cable leading from the Ballasts, connect to prong #87 and #87A respectively for each light.
- 4. MOUNT LIGHTS** to front bar or bumper. Make sure you have adequate clearance for the mounting bolt. Also be certain that the wiring harness at the back of the light is unobstructed.
- 5. CONNECT WIRES TO RELAY:**  
Red Wire With Fuse to position 30. Remove the fuse until you are ready to test lights.  
6" Black Wire to position 86.  
Yellow Wires (2) to both positions 87.  
Blue Wire to position 85.
- 6. INSTALL THE RELAY:** (use a sheet metal screw - not included) in close proximity to the battery so the Red Wire with Fuse can reach the battery's positive pole.
- 7. GROUND THE RELAY** by attaching its short black wire lead to any metal surface using a sheet metal screw (not included).
- 8. FEED THE BLUE WIRE LEAD THROUGH THE FIREWALL** (follow the factory main electrical loom through the rubber bushing in the firewall) and into the passenger compartment toward the switch.
- 9. INSTALL THE SWITCH** in the dash or console.
- 10. CONNECT THE BLUE WIRE LEAD** to the switch.
- 11. GROUND THE SWITCH** with all or some of the 36" black wire to any metal surface (that isn't insulated from the chassis).
- 12. CONNECT LONG RED WIRE:**  
...to the factory high beam lead (with supplied snap lock connector) if you want the switched-on lights to come on and off with the high beams.  
...to another ignition-hot lead if you want the auxiliary lights to work independently from factory lights but turn off with the key.  
...to a constant hot if you want your lights to work always on demand.
- 13. CONNECT RED WIRE WITH FUSE** directly to the positive post on the battery (connecting to light gauge factory wiring can melt its wires).
- 14. TEST, AIM, and TIGHTEN LIGHTS.**

### WIRING KIT CONTENTS:

- |                            |                    |
|----------------------------|--------------------|
| (2) H.I.D. Lights          | (1) Red Wire Lead  |
| (2) Ballasts               | (1) Blue Wire Lead |
| (1) Relay                  | (1) Snap Lock      |
| (1) Sealed Fuse / Red Wire | (3) Cable Ties     |
| (2) Yellow Wire Leads      | (2) Hardware Sets  |

### SAFETY PRECAUTIONS:

Use common sense.

Wear eye protection when working near the battery. Battery vapors are explosive and battery acid can blind you, disfigure you, or kill you as well as mess up your paint job.

Disconnect the battery when working on electrical components to avoid shorting out expensive computer chips, ruining your new lights or melting the wires you have in your hands.

Use proper electrical tools and connectors (duct tape is not a proper electrical connector).

When running wires, follow factory wiring looms when possible. Especially when pulling through the firewall. Wires through a freshly drilled hole in the firewall, or any unprotected passage through sharp metal, will eventually know its way through the plastic coating. If you cannot follow a wiring loom buy a rubber grommet or seal the wire into the hole with silicone caulk.

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