



800H / 850H Series WIRING INSTRUCTIONS Hermetic / Waterproof Design

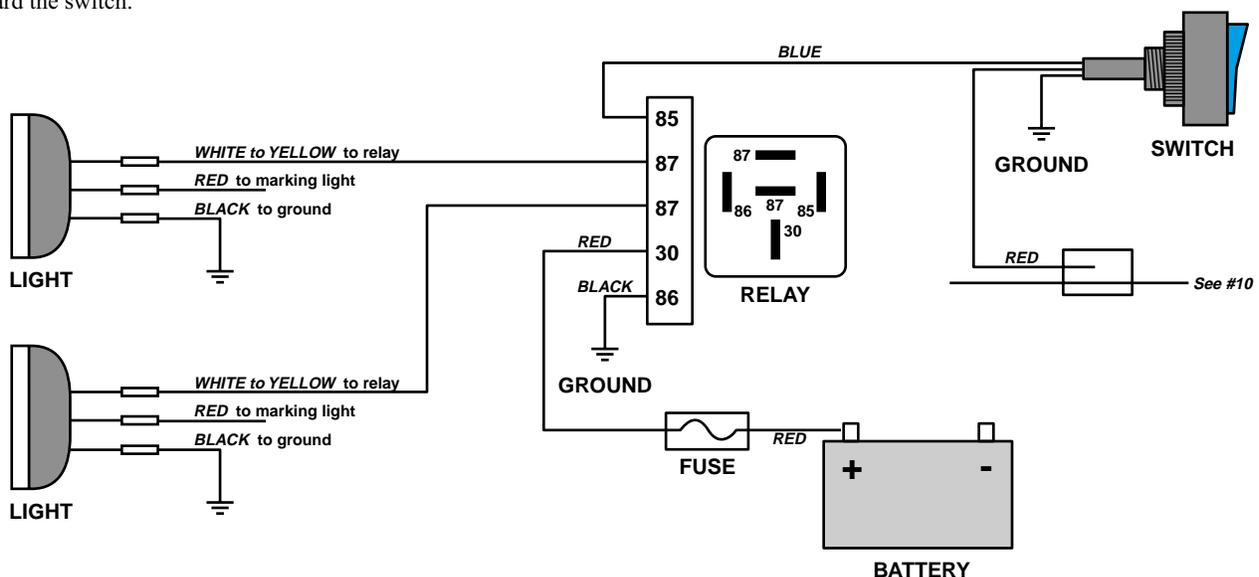
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This new hermetic series features a built-in seal which comes between the lens/ reflector and the housing. It also includes a double-wedged grommet, which protects the electrical components. The effect is a 100% waterproof design and total

protection from the elements. The light mounts on a fully adjustable Spherical Bracket™ and it is equipped with a 100-Watt Xenon (Hyper-white) bulb.

- 1. 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. If the clearance is too tight the water seal can be dislodged and allow water inside the housing.
- 2. CONNECT WIRES TO RELAY:**
Red Wire With Fuse to position 30. Remove the fuse until you are ready to test lights.
Short Black Wire to position 86.
Yellow Wires (2) to both positions 87.
Blue Wire to position 85.
- 3. 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.
- 4. CONNECT YELLOW WIRE LEADS** to each hot lead extending from the lights (white or yellow).
- 5. GROUND THE RELAY** by attaching its short black wire lead to any metal surface using a sheet metal screw (not included).
- 6. 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.

- 7. INSTALL THE SWITCH** in the dash or console.
- 8. CONNECT THE BLUE WIRE LEAD** to the switch.
- 9. GROUND THE SWITCH** with all or some of the 36" black wire to any metal surface (that isn't insulated from the chassis).
- 10. 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.
- 11. CONNECT RED WIRE WITH FUSE** directly to the positive post on the battery (connecting to light gauge factory wiring can melt its wires).
- 12. CONNECT BLACK and RED LEADS on the LIGHTS:**
 Black is to ground (be certain ground is not insulated from the frame).
 Red is the 4W "city light" and can be connected to any factory marking light lead.
- 13. TEST, AIM, and TIGHTEN LIGHTS.**



WIRING KIT CONTENTS:

- | | |
|----------------------------|-------------------------|
| (1) Switch | (4) Black Wires |
| (1) Relay | (2) Yellow Wires |
| (1) Red Wire with 30A Fuse | (1) Blue Wire |
| (1) Red Wire - 60" | (1) Snap-lock Connector |
| | (2) Butt Connectors |



800H / 850H WIRING INSTRUCTIONS "City Lights" Optional Configurations

AUXILIARY PARKING LIGHTS:

Tap a line leading from the prong of the miniature bulb into your existing parking light line. The other prong should be grounded.

DAYTIME RUNNING LIGHTS:

Tap a line leading from one prong of the miniature bulb into an ignition switch line that is hot with the ignition "ON" such as the heater fan. Or a line that is hot when the ignition is switched to "ACC" such as the radio.

AUXILIARY DIRECTIONAL LIGHTS:

First, change the miniature bulbs inside your Delta® lamps to a DOT-legal, amber colored equivalent type bulb. Then tap each light into its respective existing directional light line.

(Order our pre-assembled "City Light" Harness, Part No. 05-2000-37)

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.

AIMING YOUR NEW DELTA® LIGHTS:

Your Delta® 800H / 850H Series Off-Road Driving Lights are not street legal anywhere but aiming techniques are very similar for any style of lighting.

Park your vehicle 25-50 feet from a large, flat vertical surface (garage door, wall or other light colored object). Turn on your regular headlamps and mark their position (Post-It note or masking tape), then mark the position of your high beams.

You have probably been driving your vehicle long enough to know where your lighting is weakest. That's why you chose to add auxiliary lighting.

Mark a place on the wall with where you want your new lights to shine (keep in mind that aiming them too high is counterproductive). With the driving light adjustment bolts slack, cover one light with the box it shipped in and aim the exposed lamp. Tighten it up and reverse the procedure. Now check your work and enjoy your wise purchase.



800H



850H