



## Installation Instructions Roof Mount Light Bar Harness

Thanks for choosing a KC HiLiTES product. We take pride in building the highest quality, best engineered systems possible. Your satisfaction with our product is important, so if you have any questions, please call our customer service line at 800-528-0950.

### PARTS INCLUDED IN YOUR WIRING KIT

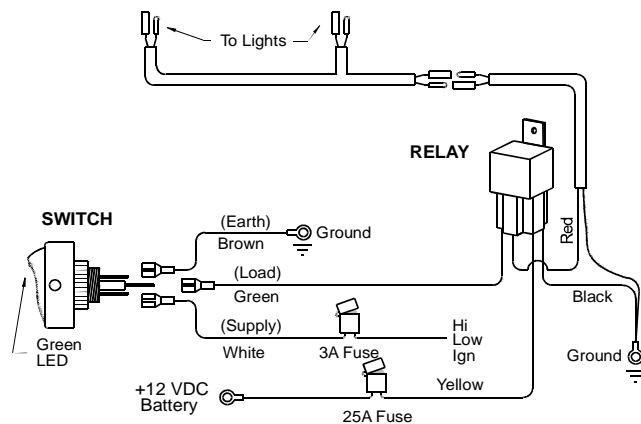
- 1 - Pre-terminated harness with relay and fuses
- 5 - Screws
- 10 - Wire-ties
- 1 - Switch
- 17 ft. protective tubing
- 12 - Plastic adhesive clips
- 2 - Female bullet terminals
- 1 - Panel
- 4 - Alcohol pads

### 1. WIRING THE LIGHT BAR ...

ASSUMING YOU HAVE PURCHASED YOUR KC LIGHTS AND KC LIGHT BAR AND HAVE THEM MOUNTED ON THE TOP OF THE VEHICLE, WE WILL PROCEED WITH WIRING THEM USING THE ENCLOSED INSTALLATION KIT.

- a. Begin at the light that is farthest from your battery. If your battery is on the passenger side then start at the light on the drivers side.
- b. Find the 60" length of red and black wires and connect the male and female bullet connectors to each of the lights. If the ground wire on your light has a ring terminal, unplug it so the harness can be plugged in directly.
- c. Route the wires toward the door jam while at the same time securing them to the underside of the light bar using a few of the enclosed plastic adhesive clips. (CLEAN SURFACE WITH ALCOHOL PADS BEFORE ATTACHING)

### 2. WIRING THE RELAY AND SWITCH ...



NOTE - Ensure both fuses have been removed from harness before proceeding.

- a. Find a suitable location in your vehicle for your switch. Mark and drill two 1/8" holes and loosely install the panel with the enclosed screws. Fit switch in panel and tighten switch (we will remove panel when attaching wires).
- b. Attach the brown ground wire to the switch tab marked EARTH (this is the tab on same side as the green LED light on switch). Attach the other end to a metal surface that is a good chassis ground.
- c. Using a sheet metal screw, mount the relay under the hood

- d. Find the red and black wires coming from the relay. This wire pair must be routed so that it can be plugged into the wire pair coming off the light bar. The easiest way to accomplish this is to route it back toward the firewall, up along the crack between the fender and windshield, into the door jam, under the weatherstripping and follow up along the door jam until you reach the point where the light bar wire is located. Plug red to red and black to black to the wiring from the lights. When you are happy with the length and fit, secure the wire to the door jam with the plastic adhesive clips included in the package. (AGAIN, CLEAN SURFACE BEFORE ATTACHING)
- e. Next, the green and white wires with the terminals on the end must be attached to the switch inside the vehicle. Route these two wires from the relay back (along existing wiring if possible) toward the firewall and exiting the engine compartment through the crack between the fender and windshield on the driver side of vehicle. Open the driver side door and feed the wires down the door jam, under the weatherstripping, back under the dash and to the switch panel inside the vehicle. An alternate method might be to route these two wires through the firewall and along side the steering column. Attach the green wire to the switch terminal marked LOAD (center tab on switch). Attach the white wire to the switch terminal marked SUPPLY (remaining tab on switch). With all three wires on their proper terminals, the panel can now be secured to the dash.
- f. The other end of the white wire can be attached to the high beam or an ignition controlled circuit depending on how you wish your lights to be controlled. DUE TO ELECTRICAL CHANGES IN SOME LATE MODEL VEHICLES, THE LIGHTS MAY NOT WORK WHEN ATTACHING THE WHITE WIRE TO THE HEADLIGHT HIGH BEAM. IN THIS CASE, ATTACH THE WHITE WIRE TO ANY 12 VOLT POWER SOURCE.

### IMPORTANT

THE WHITE WIRE MUST BE ATTACHED TO A 12 VOLT POWER SOURCE OR THE LIGHTS WILL NOT WORK.

- g. Connect the 10" black wire on the relay to chassis ground.
- h. Attach the 18" yellow wire with fuse carrier coming from the relay to your battery or other 12 volt source.
- i. Insert the two fuses and turn on your lights.
- j. If all is working OK, cover the wiring under the hood with the protective tubing supplied and secure it with the enclosed ty-raps.
- k. If the lights do not work, after double checking all of your connections and ensuring the white wire is connected to a 12 volt power source, call the number below and we will help you in any way we can.

3. AIMING YOUR LIGHTS - Since the lights you have mounted on your light bar are off-road lights and are not legal on any public road or highway, aiming your off road or competition lights is entirely up to you. Most prefer the beam as far down the road as possible, others adjust them slightly off to the sides.



IF YOU HAVE ANY PROBLEMS OR QUESTIONS,  
PLEASE CALL CUSTOMER SERVICE AT 800-528-0950