



# Installation Instructions KC 775 Wide Beam Lights

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 there are any questions, please call our customer service line at 800-528-0950.

## 1. PARTS INCLUDED IN YOUR PAIR PACK

- 1 - Complete harness with relay for two lights
- 2 - Lights
- 1 - Switch panel
- 6 - Wire ties
- 1 - Switch
- 5 - Screws
- 1 - Wire splice connector

Please check that you have all the correct parts. If any are missing, please contact KC HiLiTES Customer Service at 800-528-0950.

## 2. MOUNT 'EM UP...

Where you mount your lights is extremely important, as well as aiming the units. Too high and they will bounce right back at you and you'll be trying to look through the beam instead of down the road. Too low and they'll skim across the rocks on the roadway and not illuminate correctly where you are trying to see. Fortunately, the bumper on most vehicles works out perfectly. Mounting right under or on top of it is ideal. Try and place the lights as far back toward the grill as possible; this will keep the front of the lens behind the bumper and minimize the chance of breakage from impact.

**BUMPER MOUNTING...** Choose a location on your bumper for mounting your lights, ensuring they measure an equal distance from each end of the bumper. After marking the location for mounting, drill a 7/16" hole and attach the lights using the bolts, nuts and washers provided. **IMPORTANT** - The lenses are marked LH and RH. Make sure the LH is at the top of the lens mounted on the drivers side and the RH is at the top on the passenger side.

## 3. GET YOUR LIGHTS WIRED...

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

- a. Find a suitable location in your vehicle and mount the switch panel using the enclosed screws.
  - b. Using a sheet metal screw, mount the relay under the hood within 24" of the battery or other unfused 12 volt power source. (PLEASE ENSURE THE RELAY IS MOUNTED SO THE TERMINALS ARE FACING DOWNWARD. THIS WILL KEEP THE RELAY FROM RETAINING MOISTURE.)
  - c. Route the 96" red and black wire set to the light furthest from the relay and plug them in to the appropriate wires on the light. Now route the 48" red and black wire set to the closer light and plug them in.
  - d. Next, route the green wire from the relay and the white wire back along the engine compartment firewall and into the vehicle toward the switch. Routing these wires can be very simple. Open the drivers side door and the hood. Route the wires along the crack between the fender and windshield, through the door jam, down under the left side of the dash and then on to where your switch is located. An alternate method might be to route these two wires through the firewall along side the steering column.
  - e. Once the wires are inside the vehicle, pull them through the panel from the back and attach the green wire to the switch terminal marked LOAD. Attach the white wire to the switch terminal marked SUPPLY. Attach one end of the brown wire to the switch terminal marked EARTH and the other end to a good grounded metal surface under the dash.
  - f. Attach the other end of the white wire as follows:
    - Most 1999 and Earlier Vehicles  
Attach the white wire to high beam wire on your headlight. Your KC driving lights will now only work when the KC switch and your high beams are on.
    - Most 2000 and Later Vehicles  
Attach the white wire to the positive side of your battery or other 12 volt accessory lug on your vehicle.
- Option - If you choose to activate your lights through your headlight system, please contact your car dealer to ensure compatibility with your vehicle. Many vehicles manufactured after 1999 have circuits that are controlled by on-board computer systems and may not allow additional electrical accessories to be tied into factory wiring.

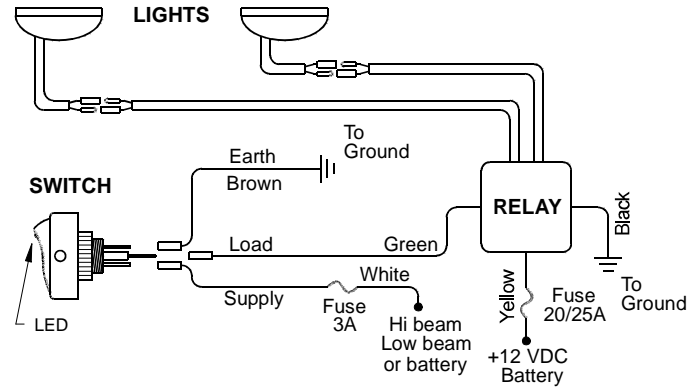
## IMPORTANT

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

**NOTE** - Some states require fog lights work only with low beams and driving lights only work with high beams.

- g. Connect the 6" black wire from the relay to chassis ground.
- h. Attach the 24" yellow wire from the relay to your battery or other 12 volt source.
- i. Insert the two fuses (3A white wire, 25A yellow wire) and turn on your lights.
- j. If the lights do not work, after double checking all of your connections, call the number below and we will help you in any way we can.

## Wiring Diagram

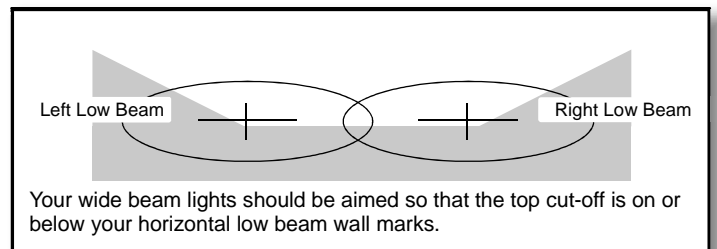


## 4. AIMING YOUR LIGHTS

Proper aiming of your auxiliary lights is important. This procedure is accomplished by aiming your wide beam driving lights in relation to your properly aimed headlights.

1. Place your vehicle approximately 25 feet and perpendicular to a flat surface such as a garage door or a building. It is important that the vehicle be on level ground.
2. With low beam headlights on, go over to the surface on which they are shining and mark the vertical center on both left and right headlights with something easily removable like masking tape. You may use a short piece of tape to indicate vertical center and a longer piece to show the horizontal portion. Your tape should appear as below.

## Use This Diagram For Aiming Your Lights



3. Your WIDE BEAM lights are meant to increase side to side illumination and should be aimed similar to fog lights. Using the diagram above, keep the top cut off on or below the low beam marks on the wall. The side to side adjustment is up to you. Too much center overlap of the beams will increase the light in the center and reduce overall width. A slight center overlap will increase your side lighting and give good even coverage overall.

# 23 YEAR WARRANTY

See details on our website at  
[www.kchilites.com](http://www.kchilites.com)