

KC HiLiTES

Adhesive Mounting Instructions for Your 26 Series Lights

WARNING! Adhesive mounting will not stick to silicone based paint or clear protective Teflon based coatings. You must use a professional sealant remover to make the adhesive stick, or use the bolt-on style hardware.

SPECIAL NOTES

Adhesive mounting should ***not*** be performed at a temperature ***less than 65 degrees*** or the tape may not adhere properly.

After attaching the mounting plates to your vehicle, allow 24 hours for the adhesive to set before mounting the brackets and lights.

Adhesive mounting should be used ***on flat surfaces only***. When tightening the mounting nuts and bolts of your lights, give the housings additional support so the twisting action will not loosen the tape.

MOUNTING INSTRUCTIONS

Determine the location on your vehicle where you wish to mount the lights. Mark these points with masking tape or something similar. Using a measuring tape will help in spacing them evenly from the center of your vehicle.

Bolt-On Mounting....

At the points you had previously marked, drill 10mm or 7/16" holes, attach lights using bolts, washers and nuts supplied. After completing your wiring and aiming the lights they can be tightened securely.

Adhesive Mounting System....

A. Take an alcohol pad supplied with the kit and thoroughly clean the mounting

points you had previously marked on your vehicle.

- B. Take a mounting plate and peel the backing off of the tape.
- C. Carefully position the plate on your vehicle so that the long side is facing forward.
- D. Press it firmly onto the surface.
- E. Repeat procedure for the other mounting plate.

— WAIT 24 HOURS —

- F. Remove the horizontal bolt that holds the mounting bracket to the light.
- G. Remove the vertical mounting bolt from the bracket.
- H. Now mount the bracket onto the stick-on plate using the nut and washer from the mounting bolt removed previously.
- I. Partially tighten.
- J. Reinstall your light to the bracket using the same horizontal bolt removed earlier.
- K. Partially tighten.
- L. Repeat procedure for the other light.
- M. After aiming your lights, tighten both mounting bolts. (*Support each light when tightening so the twisting action will not loosen tape.*)

KC HiLiTES

#6315 Wiring kit installation instructions

Thank you for choosing KC HiLiTES for your vehicle. We take pride in building the highest quality, best engineered lighting systems possible. Your satisfaction with our products is important, so if there are any questions please feel free to call our "Customer Service Line" at

800-528-0950 (7 AM to 6 PM MST)



AUXILIARY LIGHTING

Kit - Fog Lamp Part # 3615

The following Parts List details everything in this KC HiLiTES wiring kit. This kit provides a factory installed appearance when completed properly.

17'	White wire with 3 Amp fuse & holder plus female blade terminal on one end and stripped at other end.	6"	Black ground wire with 1/4" serrated ring terminal and sheathed female blade terminal.
14'	Green wire with female blade terminals on each end.	1	Relay
8'	Red wire with female bullet connector and sheathed blade terminal.	1	Switch
18"	Yellow wire with 20/25 Amp fuse and carrier.	1	Panel
23'	Convolute flexible tubing.	1	Scotch Lok bullet connector
18"	Brown wire with 1/4" serrated ring terminal and sheathed female blade terminal.	1	Scotch Lok connector
		6	Tyraps
		3	Sheetmetal screws

Only simple hand tools are needed to install your KC HiLiTES. This includes screwdrivers, wrenches, a flashlight, plus a ratchet & sockets. You may also want to use an electric drill and drill bits if you find a need to create a hole during the installation. In most cases a punch can be used to open small holes for metal screws.

--- Important ---

The WHITE WIRE that is attached to the power terminal of your switch MUST BE CONNECTED to a 12 volt power source or the LIGHTS WILL NOT WORK.

NOTE - Most states require that fog lights work only with low beams and driving lights work only with high beams. Check with local and state laws before installing.

White Wire Hook-up Options:

- **Driving Lights (high beam)** - If you attach the white wire to your high beam circuit, your KC lights will only work when the KC switch and the high beam are on. *(If 1999 Chevy, attach to the yellow headlight wire)*
- **Fog Lights (Low beam)** - If you attach the white wire to your low beam circuit, your KC lights will only work when the KC switch and the low beam are on. *(If 1999 Chevy, attach to the purple headlight wire)*
- **Fog , Driving or Off Road (ignition activated)** - If you attach the white wire to an accessory circuit (air conditioner, heater, etc.), your lights will shut off automatically when you turn off the ignition. This way you will not run down your battery if you accidentally leave your KC switch on.
- **Fog , Driving or Off Road (battery)** - If you attach the white wire to the battery, your lights will work anytime your KC switch is on, but will not be controlled by the ignition. We advise against wiring the lights this way as you can accidentally leave the lights on when turning off the ignition resulting in a low or dead battery.

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Note: Please refer to diagrams on the back page to determine which applies to your vehicle. An understanding of this diagram will make your installation much easier.

Important Note:

As the diagrams indicate, the power to the KC switch may be picked up at one of the headlights, if the fog or driving lights are to be controlled by the headlights. Please refer to the headlight diagram to determine the correct wire position on the headlight.

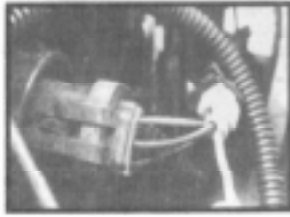
This connection may also be made under the dashboard, if the headlight wires can be identified at that location. Normally these wires are located at the base of the steering column and will be the same color code as at the headlight.

1. After your review of the wiring diagrams, look at the two battery locations to determine which is the same as the installation on your vehicle. Mount the relay near the battery or other power source using the provided sheet metal screw. Leave a little room around the relay as several wires will be attached to it.

2. Connect the fused yellow wire to the relay at terminal #30 and the power supply. For safety, remove the fuse until your installation is completed.

3. Plug one end of the red wire into the light furthest from the relay. As you run this red wire past the second light, attach the black Scotch Lok connector at a point where the second light can be easily plugged in. Connect the remaining end of the red wire to relay terminal #87. Cover the wires as you go with the black convoluted tubing. This will protect the wires and give a professional appearance.

4. Ground the relay by attaching one end of the short black wire to terminal #86. Attach the ring terminal of this wire to a good ground using an existing screw or one of the supplied screws.



5. Attach one end of the green wire to relay terminal #85. Route the green wire towards the driver side of the firewall. This wire and the white headlight wire (if connected at the headlight) will now either be passed through the firewall, or routed between body panel seams to the passenger compartment.

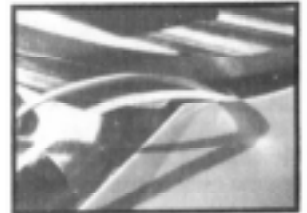
6. To pass the wires through the firewall, use a section of coat hanger, use a section of coat hanger to attach the wires to an end of a coat hanger using electrical tape and pass them through an existing grommeted hole in the firewall. Be sure the wires are protected with a rubber grommet so that a short circuit doesn't occur.

7. To enter the passenger compartment via the panels, run the wire(s) between the seam that normally runs between the windshield cowl and the front, driver side, fender. This will conceal and protect the wires. The wires are then run across the door jamb rubber and under the dash.

8. Select a position for the switch which is convenient to reach, as well as being in a position where it won't be hit by knees while entering and exiting the vehicle. Mount the switch panel using the screws provided.

9. It is easier to run the needed wires to the switch panel and then through the opening from the rear of the panel. Make the switch connections with the switch out of the panel, then insert the switch into the panel. Removing the switch from the panel requires the use of a small screwdriver to disengage the switch retaining tabs on the sides.

10. Connect the white and green wires to the proper switch terminals (see color guide below photo). Attach the brown ground wire to the proper switch terminal and attach the other end of this wire to a good ground near the switch location, using an existing ground screw or one of the screws provided.



Brown - Ground
White - Power
Green - Lights

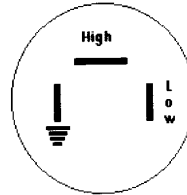
11. Please double check your work prior to testing the circuit. In order for the circuit to work properly, two conditions from the chart must be present.

Condition #1 indicates where power to the KC switch comes from. When ready to test the circuit, install a fuse in the fuse holder on the yellow power wire near the relay and turn the circuit on to meet condition #2.

12. If either of the lights, or the pilot light inside the switch, fail to work, it will be necessary to trouble shoot the circuit from the power source to the switch and lights, to locate the problem. A simple circuit tester is very useful for this. If you are unable to correct any problems, please call our customer service staff.



Light Type	Condition #1	Condition #2
Fog	Low Beam Wire	KC Switch On
Driving	High Beam Wire	KC Switch On
Off-Road	Ignition Powered	KC Switch On

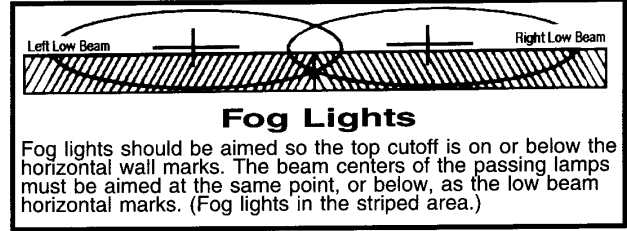
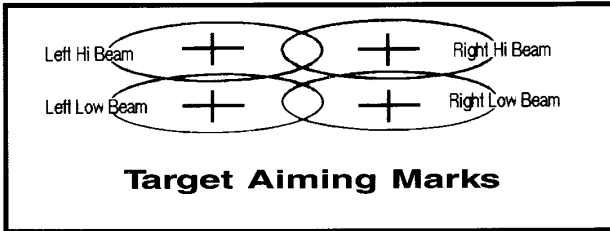


Headlight

This is a typical headlight as you look at it when it is disconnected from the wiring connector.

Viewed from the rear

KC HiLiTES Aiming Instructions



Aiming Target Setup: The approved aiming for Fog and Driving lights is accomplished by aiming your auxiliary lights in relation to your properly aimed headlights.

1. Place your vehicle approximately 25 feet from and perpendicular to, a flat surface such as a garage door or building. It is important that the vehicle be on level ground.
2. With the headlights on, mark the vertical center of both left and right headlights on the surface they are shining upon with something easily removable such as masking tape. You may use a short piece to show the vertical center and a longer 12" piece to indicate the brightest horizontal portion of this beam. Your tape should appear as shown by the long crosses on the diagram. Low beam tape marks are used for fog light aiming and high beam marks are used for driving lights.

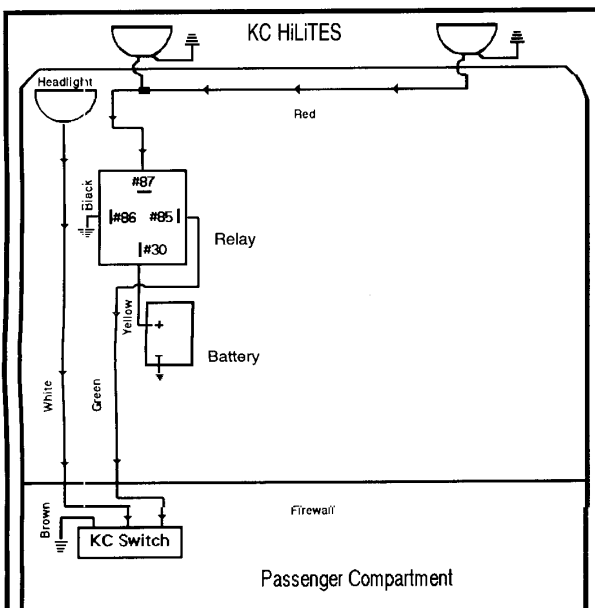
Driving Lamps: Driving lamps are used to supplement your high beams for greater distance and width. They should only be used in conjunction with high beam headlights. The horizontal centers of the beams may be aimed at the same level as your high beam tape marks on the wall. The width is up to you as you may prefer to light the sides of the road at a distance rather than concentrating the majority of the light down the middle.

Fog Lights: The vertical aiming of fog lights is very important. Because of the low mounting position relative to the ground (12 to 30 inches) they should be aimed parallel to the ground or lower. Adjusting fog lights for distance would require aiming them in a slightly "up" attitude which will reduce their effectiveness a great deal as well as offending other motorists. Fog lights should be aimed so the top cutoff is on or below your horizontal low beam wall marks for best results. The side to side alignment is up to you. A center overlap of the beams will increase center light and reduce overall width of both lamps. A slight overlap will give evenly distributed light all the way across as well as very good width.

Off Road Lights: If you have lights that will be used for off road driving only, then how you aim them is entirely up to you. Some prefer lighting more to the sides, where others want as much distance as possible.

Note: Some minor adjustments may be needed after initial use. You may prefer more or less width. If you are being flashed by oncoming motorists while using your fog lights, it may be necessary to lower them slightly.

Driver Side Battery



Passenger Side Battery

