



Installation Instructions for KC 517 Auxiliary Backup/Flood Kit

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.

TOOLS NEEDED

Drill motor	7/16" & 1/8" drill bits
12mm wrench	Pliers
17mm wrench	Phillips screwdriver

NOTE - THESE LIGHTS ARE NOT MEANT TO BE SUBMERGED IN WATER

MOUNTING INSTRUCTIONS

1. The lights may be mounted anywhere at the rear of the vehicle provided they do not obstruct other lighting or interfere with the exhaust.
2. If you have existing holes in the bumper, and they are located in an area that is practical for mounting, then use these holes. This will make your installation much faster by eliminating any necessary drilling.
3. If you do not have existing holes then you must drill two 10mm holes (7/16" will also work) in an appropriate location under the bumper.
4. Put one of the bolts up through the small slot in the bracket and then up through the hole in the bumper securing it with a lock washer and nut. Do the same with the other bracket.
5. Attach one of the lights to the under side of the bracket and position it as desired. Secure loosely with a washer and nut. Do the same with the other light.

GETTING YOUR LIGHTS WIRED

1. Mount the relay at the rear of the vehicle within 6 feet of the KC backup lights using an existing screw if possible. (PLEASE ENSURE THE RELAY IS MOUNTED SO THE TERMINALS ARE FACING DOWNWARD. THIS WILL KEEP THE RELAY FROM RETAINING MOISTURE.) If no existing screw is available, drill a 1/8" hole and use the screw included. NOTE - In some cases the relay can be mounted inside the taillight. This makes it easy to find your

existing backup light circuit and when attaching the white wire.

2. Determine where in the engine compartment you have a suitable 12 volt power source (battery or accessory terminal block). Remove the fuse and route the 25 ft. green wire from the KC relay forward, using the shortest route and following existing wires if possible to the power source. Attach the green wire to the 12 volt supply.
3. Connect the white wire to the factory backup wire using the wire splice connector included with the kit.
4. Locate the red wire from the relay and plug it into the KC backup light red wire furthest from the relay. Now run this red wire past the other backup light and attach the wire splice where you can easily plug in the second light.
5. The black wire on the KC light is to be attached to a good chassis ground. In most cases, if the lights are mounted on a metal bumper, the black wire can be attached right to the light mounting bolt. If they do not work with the ground wire attached this way, you may have to run the black wire back to some point on the frame.
6. All that's left is to replace the 20 amp fuse, adjust your lights to your particular needs and tighten them securely.

- - - Wiring Option - - -

If you wish to switch your KC lights independently from your factory backup lights, you can purchase the KC 6303 add-on kit and attach it as shown below.

23 Year Warranty

See details on our website at
www.kchilites.com

IF YOU HAVE ANY PROBLEMS OR QUESTIONS, PLEASE CALL
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Diagram for KC 517 Backup/Flood and Optional KC 6303 Switch Kit Add-on

