

LIGHTED HOLE CAP INSTALLATION



This is an accessory light and is to be electrically connected to your existing light system. The bulb is a 12 volt, type 194 miniature single filament bulb commonly used in GM side marker applications. The lighted hole cap will provide additional lighting at the rear of your truck, but is not intended to replace your DOT legal taillight/brake light system.

The (2) pigtail wires protruding from the light socket will need to be extended to reach the vehicles main taillight wiring. With 18 gage multi-stranded insulated wire, extend the wires long enough to reach down through the rear stake pockets to connect to the existing taillight harness. Make sure to put heat shrink tubing on the wire splices. You may wish to

heat shrink the entire extension to protect the harness to the hole cap.

Depending on how tight your stake pocket or the bed side top curl fits to the bed side skin, you may need to drill a small hole to feed the wires from the bed side curl into the front face of the rear stake pockets. You will want to place a rubber grommet in this hole to keep the wires from chaffing. You will need to drill a medium size hole in the rear cross sill to allow the wiring to pass through.

Special instructions for installing on a 67-87 GM stepside. The O-ring must be cut to allow it to fit into the curl opening. The adhesive will keep the O-ring in the curl cap groove during installation and prevent the cap from falling out of the bed side curl. If the curl caps are "Bowtie" machined, the passenger and driver side parts are different and should not be interchanged.

SEE NEXT PAGE FOR LED LIGHTED HOLE CAP INSTRUCTIONS

LED-LIGHTED HOLE CAP INSTALLATION

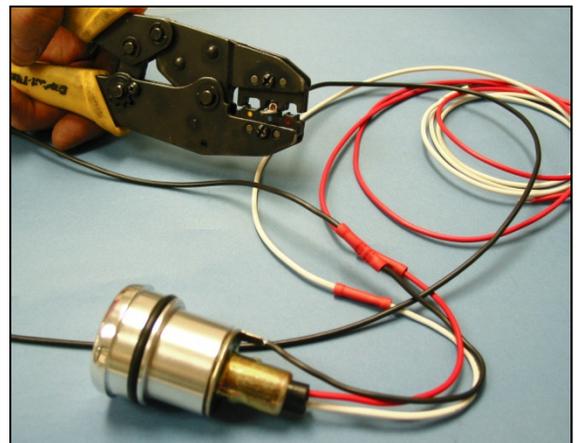
What do you do with the curl at the end of your bed sides? There are many things you COULD do, however the trendy thing to do is to fill them with light – super bright LED lights. MAR-K makes it easy to install hole caps with LED lights for GM and Dodge Stepsides and Ford Flaresides. With a little bit of wiring, you can light up the back of your truck.



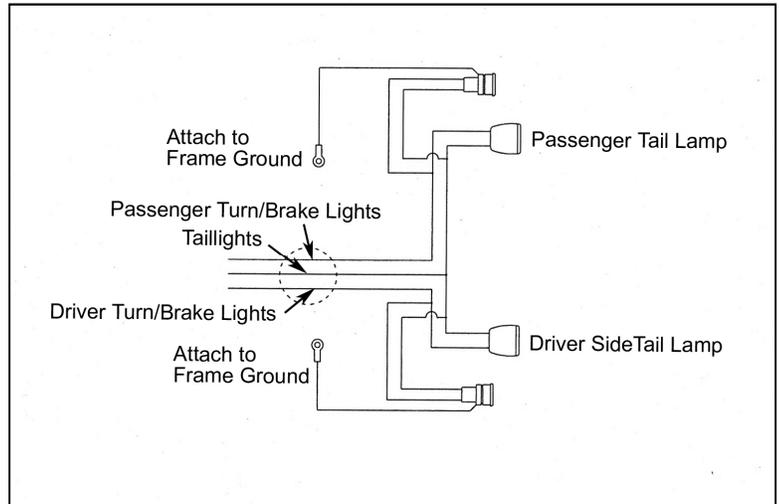
This is an accessory light and is to be electrically connected to your existing light system. The bulbs are 12 volt, 19 LED, type 1157 dual intensity for red LED's and type 1156 single intensity for the amber and white LED's. **All of MAR-K's LED lenses are clear. The color (red, white or amber) is determined by the frequency of the light when you turn it on.** These are accessory lights and must be electrically connected to your truck tail light wiring harness. They provide additional lighting at the rear of your truck but are not intended to replace your existing tail light/brake light system. Use the red LED for brake and tail lights. Amber should only be used for turn signals, and white is only used for back-up lights.



The MAR-K LED lighted hole caps have a separate ground wire, for reliability. Dual intensity bulbs have three wires and single intensity bulbs have two wires. These wires will have to be extended with 18 gage stranded and insulated wires to reach the truck wiring harness where you will connect to the brake and tail light wires. Plan to extend the ground wire to a grounding point on the frame, not the bed sheet metal. Crimp the splice and ring connectors securely with a quality crimping tool. Find where you will be splicing into the brake light and tail light wiring harness and splice enough wire to connect from the LED hole cap pigtail wires to the truck wiring harness.



Your truck wiring harness will probably not have a ground wire in it, so you should attach the LED ground wire directly to the truck frame for the best ground connection. Use a quality ring terminal crimped connector at the end of the ground wire and attach it to the frame or other grounded structural part of the truck with a small machine screw and star lock washer. If you want to use the red LED as a single intensity light, meaning only brake or only tail light not both, just splice the red and white wires together and connect them as one to the appropriate wire in the truck wiring harness.



You can extend the wires to the front of the bed curl and then down to the wiring harness or you can bring them down through the rear stake pocket to the tail light wires. Some trucks have a gap between the stake pocket and the curl which allows the wires to be threaded down into the rear stake pocket and to the wiring at the rear cross sill. Depending on how tight your stake pocket or the bed side top curl fits to the bed side skin, you may need to drill a small hole to feed the wires from the bed side curl into the front face of the rear stake pockets. If there is no gap between the end of the rear sill and the stake pocket, you will need to drill a medium size hole in the rear cross sill to allow the wiring to pass through. Use grommets and sleeving protect the wires from chaffing against the edges of sheet metal.



Thread the three wires into the bedside curl and all the way to the splicing points on your truck wiring harness. Make permanent splices to the appropriate wires and seal them with heat shrink tubing to prevent corrosion. Once the wires are connected, next you need to install the cap inside the curl. All MAR-K hole caps have an O-ring that will aid in making a good fit. Due to the many model years of usage and the variations from one truck to the next, the parts may not fit perfectly, especially if your bed side has had minor damage. You may have to file the aluminum slightly or reshape the curl opening if there is a tight spot. Be sure to test the lights for proper operation. When you are ready to permanently install them, apply some epoxy or other durable adhesive to the O-ring area before inserting them into the bed side curl. This will help prevent them from falling out or being easily stolen.



A note about using LED lamps for turn signals and hazard flashers: If your turn signals flash correctly without the LED lamps, they will still work when you add the LED lights to the circuit. If LED's are the only bulbs used in the turn signal circuit, then LED lamps used as a turn signal may not flash at the correct rate with standard thermal flasher units found on most pickups. This is due to their extremely low current draw. These installations will require either an electronic flasher designed for LED bulbs or a "heavy duty" flasher to be installed for proper flashing rate.

These hole caps contain polarized LED bulbs meaning that they will only illuminate if wired correctly. The wiring directions are as follows:

- 1940-1966 GM/53-85 DODGE RED LED: Connect the Black wire to ground, the red wire to the running lights, and the white wire to the brake wiring.
- 1940-1966 GM/53-85 DODGE AMBER or WHITE LED: Connect the white wire to ground and the black wire to power source.
- 1967-1987 GM RED LED: Connect the white wire to ground, the black wire to running lights, and the brown wire to the brake wiring.
- 1967-1987 GM AMBER or WHITE LED: Connect the white wire to ground and the black wire to power source.
- 1951-1972 FORD RED LED: Connect the white wire to ground, the black wire to running lights, and the brown wire to brake wiring.
- 1951-1972 FORD AMBER or WHITE LED: Connect the white wire to ground and the black wire to power source.

Special instructions for installing on a 67-87 GM stepside: The O-ring must be cut to allow it to fit into the curl opening. The adhesive will keep the O-ring in the curl cap groove during installation and prevent the cap from falling out of the bed side curl.



Now, your caps are in place and you are ready to roll! This will add to the classy look of your classic truck and give plenty for the competition to drool over at the next show!

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