



# INSTALLATION INSTRUCTIONS

## Installation and wiring instructions for body Armor lights.

### Mounting lights:

1. If you are not experienced in wiring lights, or are not comfortable with wiring lights, we recommend that the lights be professionally installed.
2. Assemble mounting brackets to the lights. Note: On the cube lights that there is a bend/curve to the brackets. Typically, the curved part of the bracket faces forward. Slide the bracket ends between the fins. You will note that there is a slot for the nut to slide into. This slot will stabilize the nut as you insert the bolt. Leave these nuts just loose enough to allow for final adjustment once the lights are installed.
3. If mounting to a bumper or other hard surface, you will need to choose the location on your vehicle then mark the location drill the appropriate size hole for each light. Install the light(s) and loosely tighten. (you will secure them later when aiming). When mounting a light bar be sure to have the plug lead on the battery side of the vehicle.

### Wiring lights:

1. Disconnect the battery prior to wiring the lights.
2. Unspool the wiring harness. Locate female end of the light plug. For dual light applications like our 3 Series and 7 Series you will have two connectors. For LED bars you will either have a single Deutsch style connector or a screw type connector.
3. Now find the best path from the lights back to the battery. DO NOT connect the leads to the battery at this time. Pull the fuse from the fuse holder. Make sure the wires are not attached to any moving parts or areas of excessive heat like the exhaust manifold. The Body Armor wiring harness is fully shielded with a plastic loom, we do not recommend cutting any of the wires and reconnecting. This may lead to connection issues that may lead to the lights not working, either at the time of installation or over time.
4. Secure the relay to the fender or firewall.
5. Disconnect the coupling for the switch. Locate as pass through in the firewall. Typically, the easiest access through the firewall is through a wiring harness gasket, and these tend to be on the driver side of the vehicle. If going through the existing wiring harness gasket be careful to not damage any wires. You will need a hole large enough for the connector. Feed the white connector of the switch side of the harness through the firewall coming from the inside of the vehicle out to the engine compartment.
6. Select a location for the switch. The switch that is provided is a flush mounted style. You will need to drill or cut an  $\frac{3}{4}$ " diameter hole for the switch. There is usually a removable lower dash panel on both sides of the steering column. If so remove the desired panel and determine the best location for the hole. Make sure that there is room behind the panel for the switch wires. Confirm prior to drilling! Once the switch is installed secure the wires in the passenger compartment.
7. After you have run the wires as desired in both the engine compartment and in the cab and are satisfied with your wiring job. Now it is time to connect to a power source. Attach the black wire to the negative accessory post of the battery. You can also ground this lead to the body of the vehicle, but it must be a metal to metal contact. Now attach the red lead to the positive accessory post on the battery terminal lead. Reattach the battery cables to the battery.
8. Prior to inserting fuse check all connections and make sure there are no exposed wires. Once inspection is completed insert the fuse.
9. Now turn on your new Body Armor lights. To aim the lights. If you have the cube style lights, we have two patterns. The fog pattern should be aimed about the same height or lower than the factory head lamp low beam. For the spot beam the pattern should be set the same as the high beam. If you have a LED bar you may have a combination beam. The best way to aim these is to determine the maximum distance that you want to light. Keep in mind that aiming auxiliary lights tend to be a personal preference so there is really no wrong way to aim them.

\*\*\*Note these lights are intended for off road use only.



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Body Armor 4x4 LED Lighting Product Warranty:

Body Armor 4x4 warrants the LED Light Bars, LED Auxiliary Lights to be free of original defects in material and workmanship to the original purchaser of the product. With proof of purchase, and is limited to the original vehicle installation. Body Armor 4x4 will repair or replace, at its sole discretion, product covered by this warranty. If, at our discretion a product requires repair or return, the customer (end consumer) will be responsible for the cost of shipping to and from the manufacturer as needed. Standard ground shipping for all claims to and from the manufacturer. Any expedited fees will be incurred at the discretion of the consumer. Please contact Body Armor 4x4 customer service department at the number above on this instruction sheet. The warranty will be void on any opened lights, or other modifications are made to the lights, housings or wiring harness. This warranty is void if the seal is broken or tampered with. This warranty does not cover damage from an accident, misuse, abuse, improper installation, fire or vandalism. Body Armor 4x4 reserves the right to make the aforementioned determinations to grant or deny warranty. Body Armor shall have no liability for incidental or consequential damages of any kind including property damage, or personal injury resulting from the use or misuse of these products.