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JS Auto Designs 09-14 Dodge RAM Sport Hood LED Vents

Thank you for purchasing our custom hood vents for you 09-14 Dodge RAM sport hood. These instructions are meant as a guide and are our suggested installation. These can be installed many different ways to have the lights work many different ways. If you would prefer them as daytime running lights instead of parking, find a 12V ignition source to tap instead of the parking light wire. If you would like to connect them to a switch so you can control when they are on and off, add direct power with a switch in line. Please in all instances make sure you use the fuse that we have provided. The LED's pull less than 1 AMP so they will not be a burden on most automotive circuits, the amp is for protection of the system and you new LED's



Please take care when unwrapping the lights. The wires are very stiff and care should be taken when removing the wrapping and installing the vents into your truck

1. Remove your existing vents from your truck, there are three tabs that secure the vents on the bottom to the hood. Take care not to break the tabs off or damage them. If you have already done this step or you sent your scoops to us for modification please skip to step 2.
2. Install your new modified vents you have received from JS Auto Designs. Do not connect the harness yet. Take care to not tangle wires and also to route the harness before fully securing the vents. You risk damaging the lights if you try and twist and bend the harness after you have secured the vents if the harness gets caught in the hood.
3. Connect the 4 pin 3-wire harness to the vents. Route the wires so that they will not pinch when you open and close the hood and also tuck them so they will be hidden along the fender. You will need to route them towards each headlight, one harness per side.
4. The harness has 4 pins but only 3 wires. Pin 1 controls the white LED's, Pin 4 controls the amber LED's, Pins 2&3 or ground wires. For most installations and how we describe here you will want to route the wires to the headlights. You are looking for the 3557 Harness which is your parking light/turn signal bulb. It will have three wires parking, ground and turn signal. For the newer trucks that have the OEM projectors, RAM changed the design and the LED's in the headlights are not that style bulb. The best ways to find the wires you need to tap is using a volt meter. When you find the 3557 harness use the blue quick connectors and attach one to each of the three wires.
5. After you have routed the wires to the headlight area, use the supplied zip ties to secure the wires in a position that they are hidden and also do not get pinched when opening and closing the hood.
6. Trim the wires to length needed to reach the quick connectors. Next strip ¼" of wire and crimp on of each of the blue insulated ends to each of the wires. We suggest heat shrinking or electrical tapping each connector
7. Finally plug each connector into the corresponding cable. Black to the ground on the 3557 harness, Pin 1 red to the parking light wire and Pin 4 into the turn signal wire. Dodge and RAM have changed these colors of the years. Please make sure you find the correct ground.
8. After you have connected the wires, insert the two 1 amp fuses into that harness. Test the lights. If the lights do not light the way we have said, switch the two connectors and try again. When you turn your parking lights on, the white LED's should light, when you use the turn signals, including hazards the ambers should blink.
9. This completes the standard installation.

Please make sure you find the correct wires and grounds needed. We cannot be responsible for the modifications you do to you truck and any damage you might do during the installation. We cannot guarantee our products against improper installations. Please check with your local law enforcement to see if the lights are legal to be used while driving. We cannot be held responsible for problems you encounter with local law enforcement while using the lights. Install at your own risk.