



BISON

OFF ROAD

Hood Vent Driving Light Kit



Dear Customer,

Thank you for choosing our Lighting Kit designed specifically for the third-generation Sprinter van model years 2019 to the current date. We appreciate your trust in our product, and we are excited to help you enhance the lighting experience in your Sprinter van.

READ ALL THE INSTRUCTIONS BEFORE BEGINNING THE INSTALLATION: Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. If anything is missing, do not proceed with the installation, call customer service to obtain needed items.



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Installation Instructions:

Step 1: Unboxing and Inspection

Upon receiving your lighting kit, carefully unbox the contents and ensure that you have received all the components listed in the user manual. See table on next page.

Quantity	Description	Quantity2	Description3
1	Passenger Base Plate	2	"L" Shaped Clamp Brackets
1	Driver Base Plate	4	5/16-18 Carriage Bolts
1	MVS Passenger Cover	4	1/4 USS Flat Washers
1	MVS Driver Cover	4	1/4 -20 x1 Bolts
2	C4 7" LED Super Slim single row 30 watt light	4	5/16 -18 Nyloc Nuts
1	C4 Wiring Harness	14	M5-.8x16 Button Head Socket Cap Screw
2	"L" Shaped Mount WO/ Slots	4	1/4 -20 Blind hole panel U-Nut
2	"L" Shaped Mount W/ Slots		

Step 2: Pre-Installation Checks

Disconnect vehicle power including all batteries and any shore or solar power.

Step 3:

Lift vehicle hood, and remove any insulation and panels form the underside of the hood. Unclip plastic factory hood and heater vents.

Step 4:

Pre-Assemble the Driver and Passenger base plates. During this process you will loosely tighten, as final adjustment will need to be done on the vehicle.

- Install Blind hole threaded inserts 2 per base
- Using supplied carriage bolts Install 7" light bar utilizing "L" Shaped brackets. Pairing one slotted Bracket and one straight hole bracket per assembly.



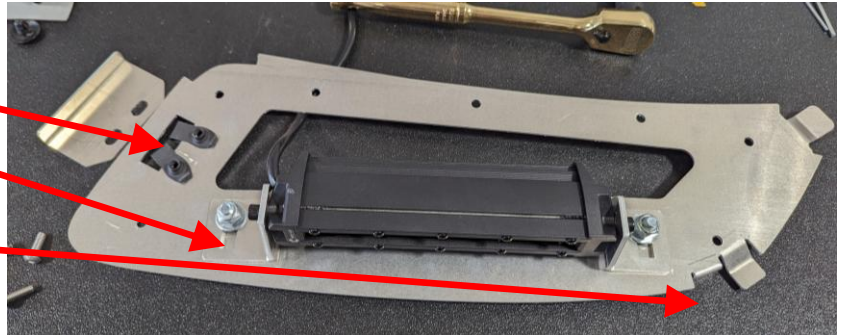
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Blind Hole U Nuts

"L" Shaped Light Mounts

* Tabs Facing down



Step 5:

Attach MVS Passenger & Drivers cover to assembled base plates Using 7 each M5-.8x16 Button Head Socket Cap Screws supplied.



Step 6:

Attach both driver and passenger assemblies to the hood by sliding the tabs under the hood assembly and using the supplied clamps. Take care in not overtightening the clamps.





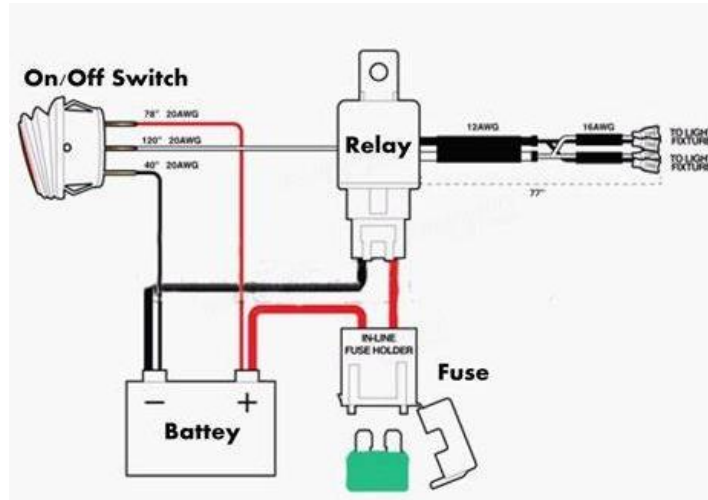
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Step 7:

Attach the plug and play wiring harness, Using zip ties secure the harness to hood towards the driver's side. Run entire harness through the pass-through bellow on the driver's side.

Find a suitable mount location for the relay, and on off button in a comfortable location for the driver to access.



Step 8:

Re install under hood insulation. Tighten all newly installed hardware, adjust lights for optimum performance, and verify that all hardware is tight.

Care and Maintenance:

- Apply marine wax: Use a marine wax formulated for gel coat that includes UV inhibitors. This creates a protective barrier against damaging sunlight, water, and contaminants.
- For extra UV protection, you can also use a dedicated UV protectant spray.
- Reapply frequently: Wax your gel coat parts at least twice a year. If the vehicle is frequently exposed to direct sun, apply wax every 3-4 months.
- Cover the vehicle: If possible, use a car cover or park in a shaded area. A fitted cover is highly effective at minimizing sun and weather damage during storage.
- Inspect all fasteners for proper torque and security.



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WARNING: Do not install this kit without the proper tools or on a flat surface. Vehicle may be too heavy for discount jack and small jack stands (verify rating). Even slightly sloped driveways are too dangerous to attempt installation on vehicles.

BEFORE YOU INSTALL: Make sure you have all the recommended tools, a flat work area and adequate lighting. Resist the urge to use tools that aren't up to the task.

Post Installation:

☐ **1. Fastener torque:** Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, tire sidewalls, fuel lines, fuel tank, floorboards and wiring harness. Check steering gear for clearance. Test and inspect brake system. Mark all fasteners using a paint pen or permanent marker by putting a stripe across the fastener head down to and on the adjacent mounting surface providing a visual cue to fastener movement.

☐ **2. Light Check:** Perform head light check and adjustment.

☐ **3. Inspection and Re-torque:** Re-torque all fasteners after 500 miles and then every 1000 miles. All components must be Inspected by a qualified professional mechanic at least every 3000 miles.

☐ **5. Test Drive:** Please take time to Check all work after the test drive and as a part of regular maintenance.

CA Residents: WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov