

# HID OFF ROAD LIGHT - HID 8500 SERIES

## Installations Instructions & User Guide

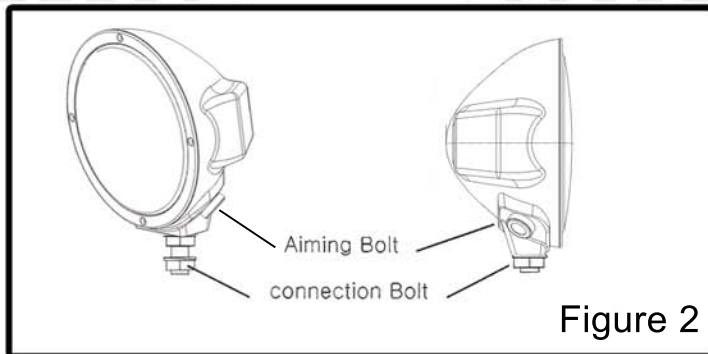


Figure 2

### Materials and Tools Required:

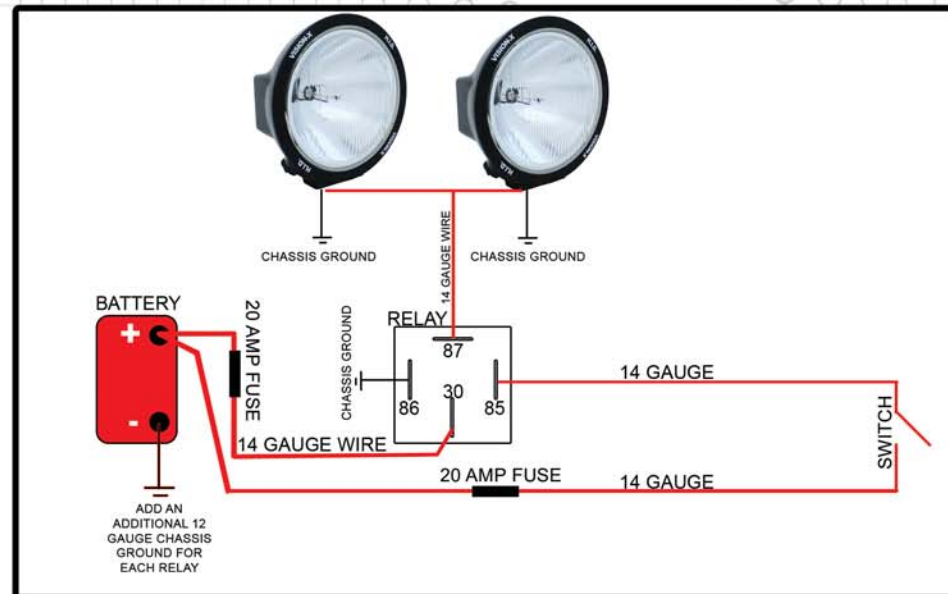
- 4 pin Relay ( included in lights)
- 12 gauge wire
- 16 gauge wire
- Fog light switch of preference
- 30 amp fuse holder
- 17mm Deep Socket
- Torque Wrench
- Soldering Iron
- (2) 12 Gauge Battery Ring Crimps
- (3) 12 Gauge Grounding Crimps
- (3) 1/8" Self Tapping Silver Screws
- Loom Tubing

### Mounting:

Mount light securely; making sure bracket is square with vehicle. Tighten 17mm bolt on the bottom of the bracket to 50 ft/lbs. This bolt will not be loosened to adjust beam.

### Adjust light:

Loosen knurls on the bottom of each light using provided hex wrench; making sure not to loosen knurls completely. Light beam can be adjusted up, down, left and right at this point. A good reference point is at 20 ft; the top of the beam should be 3" down from center of light (with the light bar at dead center). Tighten knurls and enjoy.



### Wiring

All electronics are internal so there is no need to mount external ballasts. Each light has a simple 2 wire hook up. Red being + 12v and black being - 12v. Lights should be wired to a switch through a relay with a maximum of 2 lights per relay for optimum durability and performance. Each relay should be wired as follows;

#### Pin Number on Base of Relay

- 85 – 12v + trigger from switch
- 86 – Chassis Ground
- 30 – 12 gauge 12+ from battery (minimum gauge is 12 for 2 lights)
- 87 – 12 gauge out to red wire on lights (max 2 lights per relay pack)

Duplicate relay packs can be wired for additional lights. Switch trigger can be jumped from relay to relay.

Remaining black wire on light should be chassis grounded; making sure grounding surface is cleaned down to metal, using a stainless steel bolt to secure grounding ring. Make sure to chassis ground lights, **DO NOT GROUND ON LIGHT BAR!**

Congratulations on buying the best in off-road lights, the Vision X Off-Road HID-8500 Series

H.I.D. SYSTEM WARNINGS:

As with many other high-tech products, this HID Off Road Light also requires a bit of attention before you can use it. Please read the accompanying information carefully first!

- Do not stare directly into the light or shine directly into the eyes of another person as this may cause loss of vision.
- Never disassemble the products, as all parts must be factory serviced to insure proper operation.
- Do not change the parts inside this light with parts from another company's product. Suitable ballast and bulb have to be used for Vision X Off Road Lights. The ballast produces an extremely high voltage (23,000 Volts) at the instant of illumination, which can cause a fatal accident if incorrectly operated.
- Do not let water enter the housing. While the Vision X Off Road Light are both weather and water resistant, it is not designed to be submersible.
- The off road light is designed to be mounted on the vehicle only in vertical or suspended positions.
- Do not allow objects or skin to touch a hot lens due to risk of burn.
- Installation and light change may only be performed by qualified or properly trained individuals.
- The off road light must not adversely affect the performance of low beam, high beam, engine cooling, or the driver's vision.
- We recommend completely reading instructions before installing.
- Consult your local or state regulatory agency regarding the use of auxiliary lighting.

Also available for your light from Vision X Off Road

- Polycarbonate (PC) Covers
- Replacement X Covers
- Complete Wiring Harnesses

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