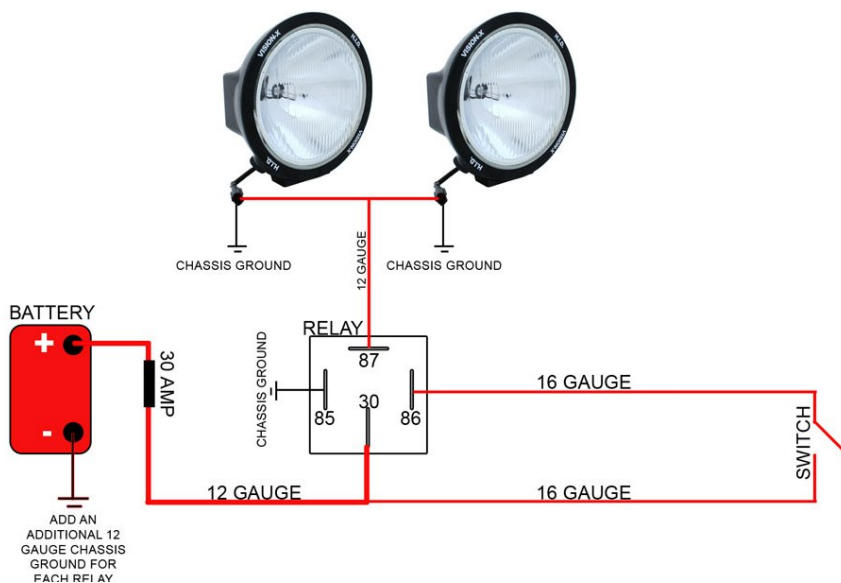


## Materials and Tools Required;

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

Complete harness and switching  
 can be purchased from  
 Vision-X Off Road  
 800-994-446



## 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.

## 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;

86 – chassis ground  
 85 – 12v + trigger from switch  
 30 – 14 gauge 12+ from battery (minimum gauge is 14 for 2 lights)  
 87 – 14 gauge out to red (or white for 6504) 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.

## 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.