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*The Scientists of Lighting*

## **Squadron (Pro & Sport) Adventure Bike Kit**



**PN: 49-7083, 55-7083**

**Installation Manual**

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## **LIMITED LIFETIME WARRANTY**

Baja Designs proudly offers a LIFETIME WARRANTY against manufacturer's defect on all of the products that we manufacture.

These are comprehensive warranties; other than the exclusions below – you're covered. If your LED or HID bulb burns out, you're covered. Additionally, cutting off our connector or changing your lenses does not automatically void your warranty.

### **Exclusions:**

Installation errors, abuse, misuse or crash damage. You must be the original owner of the product and be able to supply proof of purchase.

Li-Ion or Li-Po Batteries: carry a 2 year warranty.

NiCad DSK Batteries: carry a 90 day warranty

Dual Sport Kit Switches: carry a 1 year warranty.

Baja Designs manufactures its own products as well as resells products manufactured by others. Baja Designs makes no express or implied warranties on products not manufactured by Baja Designs including without limitation any warranties or merchantability and fitness for a particular purpose. We will however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties.

Baja Designs will pay the freight if your product is less than 90 days old, otherwise defective products must be returned to Baja Designs, Inc., freight prepaid. At our option, we will repair or replace items in question and return them at no charge. If the identical product is no longer available we will replace with a similar product of equal value. Baja Designs Inc. will not be responsible for any indirect or consequential damages in connection with defective merchandise.

### **Indemnification:**

Buyer hereby acknowledges off roading, racing and driving at night are dangerous activities and that the products and/or supplies purchased from Baja Designs are used in an inherently dangerous activity that may endanger life and limb; and in no event shall the seller, or seller's heirs and assigns, be held liable for consequential damages, nor shall seller's liability on any claim for damages arising out of or connected with the sale, delivery, or use of purchased products and/or supplies exceed the purchase price of the products and/or supplies.



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Customer satisfaction stands at the core of who Baja Designs is as a company. BD gives you a full 30 days to test out your new light and if you are not 100% satisfied with your purchase, you can send it back for an exchange or refund of the purchase price and applicable tax.

**Exclusions:**

Items purchased through a Baja Designs authorized dealer must be returned through the dealer. Only available on LED auxiliary lights and product must be in sellable condition at MSRP. Product that has been damaged in any way after the original purchase date will be excluded from this guarantee.

Thank you purchasing the Baja Designs Adventure Bike Kit. This kit has been designed to power two Squadron LED lights via an existing switch on your bike such as the high-beam switch or a separate toggle switch. If you wish to have the Squadron lights triggered by a separate, non pre-existing switch, Baja Designs offers a toggle switch kit (sold separately – P/N 12-9023) that plugs directly into the Soltek harness. **Please read this manual prior to installation.**

**Installation:**

All Baja Designs lights can be mounted using either an existing tab or a light-specific mounting kit. Baja Designs offers a variety of mounting options and if you need assistance in this area our friendly sales staff will be more than happy to help.

**Kit Notes:**

- **Installation of this kit will require modification to your stock crash bar. These instructions will address some of the more common modifications that will occur. If you have questions or problems, please contact Baja Designs.**
- **This kit is designed specifically for adventure motorcycles equipped with DC charging systems that will sufficiently power lighting while maintaining battery charge (check your motorcycle manual).**



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1. Disconnect the ground cable from the bike's battery.
2. Start by locating a suitable place to mount the Squadron LED Lights on your motorcycles crash bar.

3. Once you have chosen where to mount the lights hold the light in place and make sure you have enough clearance for the light to be adjusted up and down.

4. Install the provided 7/8" engine cage clamps onto your engine cage and mount your Squadrons or SII's. **(NOTE: This 7/8 engine clamp mount can be adjust in 45 degree increments.)**

### Rear Harness



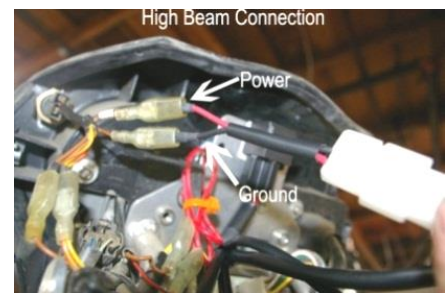
### Wiring:

Our wiring harness is designed to turn the Squadron LED lights on when you activate your high beam switch. The relay harness has a white 2-prong connector with a red and black wire. This is the 12volt input that needs to be connected to a fused 12volt circuit.

You may find that your bike comes with a fused accessory circuit from the factory. If that is the case then you can pick up power for the 12volt input on the Baja Designs harness (white 2-prong connector with 1 red wire and 1 black wire).

You can cut the white connector off of the Baja Designs relay harness or use the supplied terminals and plastic housing to convert your factory wires to the Baja Designs connector. Make sure the factory accessory circuit is rated for at least 10 amps (check your motorcycle manual).

1. If you choose to wire your lights directly from the battery instead of using the factory accessory circuit connect the Baja Designs rear harness to your battery with the fuse on the positive terminal (+) and the Black wire on the negative terminal (-).





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2. Route the rear harness to the front of the bike behind the stock headlight. Do not plug the rear harness into the relay harness until all other connections are made and you are ready to test the system.
3. Next locate the high beam power wire and ground wire from your stock headlight.
4. Install the 2 black splice connectors on these wires using pliers.
5. Plug the yellow wire from the relay harness into the high beam splice connector and plug the black wire into the headlight ground wire splice connector.

### High Beam By-Pass:

If you choose to add a switch inline instead of tapping into your "high beam disconnect" then you will need to use our high beam by-pass extension.

The extension harness has 2 yellow wires in black sheathing, one having a male bullet connector and one having a female bullet connector with their other ends bare for your switch connection.

Route the Squadron power connection wires with the green seals to each light making sure to keep the wires away from any sharp or hot objects.

**Now you can connect the fused power to the relay harness. The Squadron's lights should come on when you activate your high beams.**

**Use the supplied zip-ties to secure wiring to the harness.**

### Hi Beam By-Pass Extension

