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## **Installation Manual**

### **Suzuki V-Strom Adventure Bike Kit**

**DL650 (2004-2011) & DL1000 (2002-2012)**

**(PN: 49-7003) or (PN: 48-7003)**

**2950 Norman Strasse Rd • San Marcos • CA • 92069**

**Phone 760.560.2252 • Fax 760.560.0383 • [info@bajadesigns.com](mailto:info@bajadesigns.com)**



## LIMITED LIFETIME WARRANTY

**Baja Designs, Inc./LaPaz Light Systems.** This warranty includes coverage of HID Bulbs and Ballasts. If you discover a defect in a product covered by this warranty, we will repair at our option using new or refurbished components, or if repair is not possible, replace the item.

### **EXCLUSIONS**

This warranty covers defects in manufacturing discovered while using the product as recommended by the manufacturer. The warranty does not cover loss or theft, nor does coverage extend to damage caused by rocks, crashes/collisions, misuse, abuse, unauthorized modification, improper storage conditions, lightning, or natural disasters. The warranty does not cover parts that are subject to normal wear and tear replacement requirements.

### **LIMITS OF LIABILITY**

Should the product(s) fail, your sole recourse shall be repair or replacement, as described in the preceding paragraphs. We will not be held liable to you or any other party for any damages that result from the failure of this product. Damages excluded include, but are not limited to, the following: lost profits, lost savings, medical costs, damage to other equipment, and incidental or consequential damages arising from the use, or inability to use this product. In no event will Baja Designs, Inc./LaPaz Light Systems be liable for more than the amount of your purchase price, not to exceed the current list price of the product, and excluding tax, shipping and handling charges. Baja Designs, Inc./LaPaz Light Systems disclaims any other warranties, express or implied. By installing or using the product, the user accepts all terms described herein.

### **HOW TO OBTAIN SERVICE UNDER THIS WARRANTY**

Contact us using one of the following methods:

Phone: (760) 560-2252 or email: [info@bajadesigns.com](mailto:info@bajadesigns.com)

### **REQUIREMENTS**

Within 90 days of purchase return ground shipping costs will be paid for by Baja Designs, Inc./LaPaz Light Systems. After 90 days from purchase, return shipping costs to be paid for by customer.

**Indemnification:** Buyer hereby acknowledges off road driving/riding is a dangerous sport 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 the 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.

Buyer is responsible for ensuring that it uses the products (and its vehicle) in accordance with all applicable laws, regulations, guidelines, and standards of care. Buyer acknowledges that some products may only be used when off-roading, and Buyer will comply with all vehicle and road safety guidelines. Buyer is solely responsible for (and will indemnify and hold Bestop harmless for) any



claims, losses, damages, fines, fees, costs, or other amounts arising out of Buyer's non-compliance with these provisions.

**Parts List**

| QTY: | Description   |
|------|---|
| 2    | Squadron or SII LED Lights                                  |
| 2    | Suzuki V-Strom Specific Mounts                              |
| 2    | Suzuki V-Strom Rubber Mount Gasket                          |
| 1    | Long Fuse Wiring Harness                                    |
| 1    | Short Relay Wiring Harness                                  |
| 1    | H4 Adventure Bike Adapter                                   |
| 1    | Peanut Bracket/Switch (Bent 60 Degrees Pointed To The Left) |
| 2    | Power Cord Grommet  |
| 2    | M5x20 Socket Head Cap Screw                                 |
| 2    | M5x15 Fender Washer   |
| 2    | 5mm Nyloc Nut   |
| 6    | 4" Zip tie  |

**Required Tools**

|                       |
|-----------------------|
| 5mm Allen             |
| 9/16" Open End Wrench |
| 9/16" Socket          |
| 8mm Wrench            |
| 7/32" Drill Bit       |
| 1/2" Step Bit         |

**Please read this manual prior to installation.**

Thank you for purchasing the Baja Designs Suzuki V-Strom Adventure Bike Kit. This kit has been designed to power two Squadron's or two SII's via an on/off switch which we have included. Our wiring harness also has a bypass which allows you to turn on your high beams without the auxiliary lights coming on.

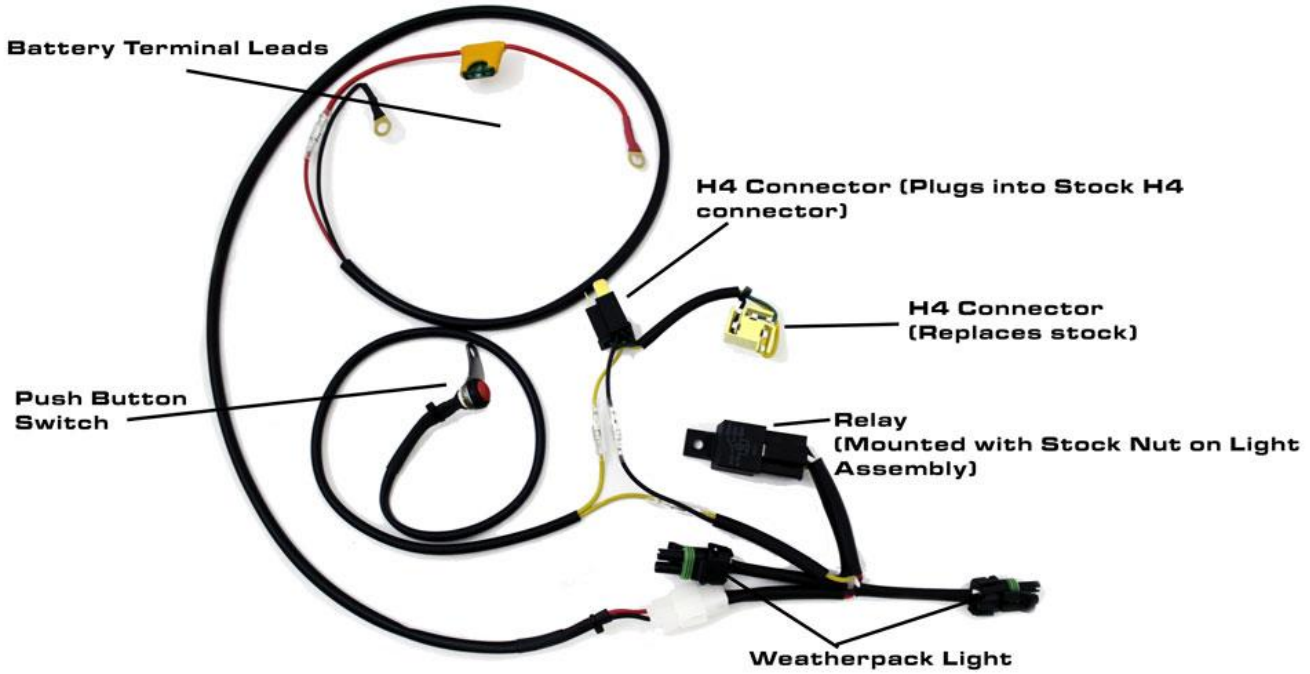
**Kit Notes:**

- **This kit is designed specifically for adventure motorcycles equipped with a DC charging system that will sufficiently power lighting while maintaining battery charge (check your motorcycle manual). If you have questions or problems, please contact Baja Designs.**



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## Wiring Harness Installation:



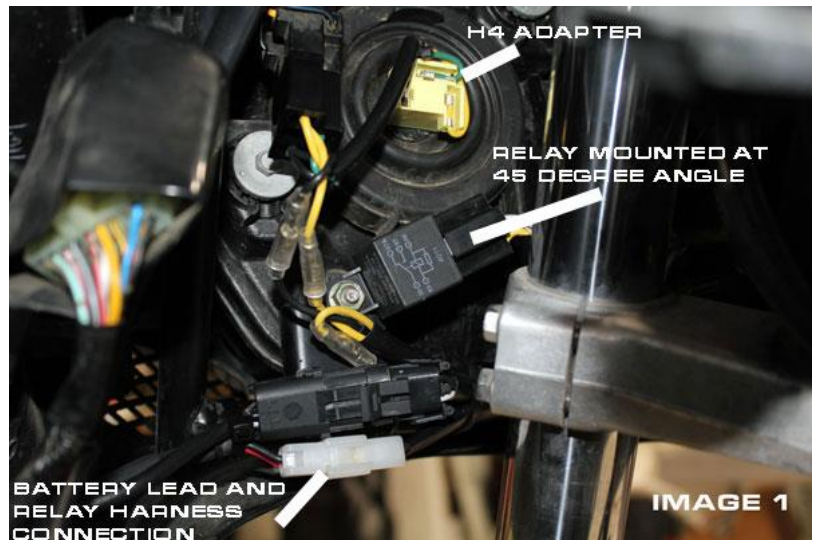
**Step 1:** Remove your seat, disconnect your battery terminals and unplug the stock yellow H4 connector from your left headlight (if you were sitting on the bike).

**Step 2:** Plug the stock H4 connector into the Baja Designs black H4 connector (with male pins) on the wiring harness included in your kit.

**Step 3:** Plug the yellow H4 connector on the Baja Designs wiring harness into the back of your stock headlight.

**Step 4:** Using a 10mm socket, remove the nut on the lower portion of the light assembly and install relay as shown in **IMAGE 1**.

**Step 5:** Route push button switch up to the left side of your handlebar and install using stock bolt as shown in **IMAGE 2**.



**Step 6:** Run the Baja Designs wiring harness along your stock wiring harness back towards the battery.

**Step 7:** As shown in **IMAGE 3**, cross underneath the U-cradle bracket, and back towards the battery terminal leads.

**Step 8:** Attach the positive (+) and negative (-) terminal wires from the Baja Designs' fused harness to your bikes' battery terminals as shown in **IMAGE 4**.



### **Bracket Installation:**

**Step 1:** Remove stock 5mm shoulder bolt located along the side of your bikes fairing, underneath the turn signal, **for later use**.

**Step 2:** Peel off adhesive pad on your rubber gaskets provided. While lining up the bolt holes, gently adhere the gasket to the mount.

**Step 3:** Temporarily install top of bracket using M5x20mm Socket Head Cap Screw supplied in your kit.

**Step 4:** While gently pressing down on the bracket, use a scribe to mark fairing where lower mounting point is located.

**Step 5:** Remove bracket and drill hole in fairing using 7/32" drill bit.

**Step 6:** Measure 1 3/8" from bottom bolt on bracket you've just installed. Scribe the location in the center of the ridge along the fairing.



**Step 7:** Using a ½” step-bit, drill hole where you’ve scribed to allow access for your light’s cord to pass through the fairing, shown in **IMAGE 8**.

**Step 8:** Install bracket using M5x20mm Socket Head Cap Screw on top and stock shoulder bolt on bottom. The bottom bolt will use the supplied fender washer and nyloc nut, shown in **IMAGE 6**.



### **Light Installation:**

Install your light as shown in **IMAGE 7**. Tighten the 3/8” nyloc nut with a 9/16” socket and open-end wrench just snug enough so you can still rotate the light left and right.





### Light Wiring:

**Step 1:** Feed the Squadron or SII cord through the ½” hole you’ve just created, shown in **IMAGE 9**.

**Step 2:** After you’ve pushed the MoistureBlock cord through the fairing, install the Power Cord Grommet included in this kit. **IMAGE 10** (Note: Use a blunt object, such as a flat head screwdriver to push the grommet into position)

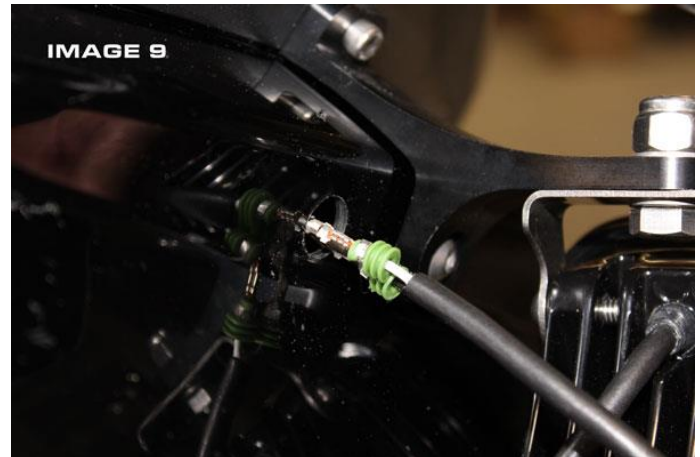
**Step 3:** Next, you’ll need to install the black weatherpack connector that’s included in your lighting package. (Note: The weatherpack connector is labeled “A” (Ground/Black) and “B” (Power/White), as shown in **IMAGE 11**.

**Step 4:** Once your weatherpack connectors are installed, plug the connectors into the Baja Designs wiring harness.

**Step 5:** Check your work! Turn your handlebars to ensure there’s enough slack and test the lights. Make sure your push button works and both lights turn on.

**Step 6:** After you’ve verified everything works, use the provided zip ties to secure the Baja Designs wiring harness to your stock wiring harness.

**Step 7:** Pat yourself on the back for a job well done! Now you can aim your lights.





**Light Aiming:**

Adjust your light up and down for the correct aiming of the light. Once this is complete, slightly rotate the light to allow access for tightening of the 4mm allen bolts on the bracket. Rotate the light back, adjust left and right for aiming, then tighten the 3/8" nyloc nut with a 9/16" socket and open-end wrench.