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## **2014 – 2016 KTM LED Light Kit**

### **XL (Pro, Sport, & 80) / Squadron (Pro & Sport)**



**XL80 #67-7010 & #67-7091**

**XL PRO # 50-0010-AC, #50-0010, #50-7091-AC, & #50-7091**

**XL Sport #56-7081-AC, #56-7011, # 56-7091-AC, & #56-7091**

**Squadron Pro #49-7081-AC, #49-7081, #49-7091-AC & #49-7091**

**Squadron Sport #55-7081-AC, #55-7081, #55-7091-AC, & #55-7091**

### **Installation Manual**

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## LIMITED LIFETIME WARRANTY

Baja Designs proudly offers a LIMITED 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.

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. 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.

### **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.**

**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.**



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**Note:** If you are using an existing headlight shell, you will have to remove the stock headlight lens.

1. Install top bolt through existing rubber strap hole using provided M6x18 Button Head Socket Cap Bolts. Bracket should be installed on the exterior of the existing bracket. Top half of bracket extension should be perpendicular to the ground. Use washer on both sides. Hand tighten.  
**Note: Do not over tighten. You can crack the plastic.**



2. Using a 1/4" drill bit, drill out the bottom hole through stock headlight shell.
3. Install bottom hardware through hole drilled in step 2. *Hand tighten, do not over tighten.*



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4. Complete same process for opposite side. Install rubber straps into the plastic extensions.



5. Slide the light into the housing lining it up the ears to bolt hole in the bezel. Put the spacer in between the ear and the light bezel. Insert the M6X40 with the washer from the front of the light, through the spacer and the ear, install the M4 nut. **NOTE:** Do not over tighten, you may risk cracking the plastic ear on the mask.

6. Install provided adjuster bracket using



M5 Button Head Socket Cap Bolt and 5mm Nyloc nut as show in picture to right. (If looking at the back of the light, the bracket should be installed to the right.)



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7. Using the provided black screw, install it in the hole that is closer to the back of the bike. To obtain full downward adjustment, you must trim the hole furthest from the chassis to allow the nyloc nut to clear. (Refer to circled area in figure 6)

### Wiring:

**Off-Road Only Models (non-plated):** Assuming you have the Baja Designs DC Conversion done or have purchased the AC model, you can now install the wiring harness and handlebar switch. Connect the fuse lead to the positive side of your battery and the black wire to the negative side of your battery. You will notice that the wiring harness has a white, 3-pin flat connector that can be used to power the Baja Designs taillight. Route the harness along the back bone to the front of the bike. **(NOTE:)** You may have received your new LED Light without the red connector installed on the power cord coming out of the light. This is because this light is used on several KTM models and the pin placement in the connector varies from KTM. Insert the black and white wires from the power cord into the connector in the same orientation as the harness provided in this kit. You will hear a distinct click when the pin is seated properly. Plug the 2 pin connector into the switch and the 4 pin connector into the light.

**2014 – 2016 Dual Sport Models:** For Factory Dual Sport bikes that have the Baja Designs DC conversion done or have purchased the AC model, you will need to verify the hot and ground wires pin position in the Factory KTM connector that your stock headlight plugged into. These wires can be identified by their color, **Brown** for negative and **Blue** for positive. Once you have verified the pin positions of the Factory harness wires you now can insert the positive (white) and negative (black) wires from the Baja Designs LED light into the supplied mating KTM connector in the same orientation of the factory harness. You will hear a distinct click when the pin locks into the connector.



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You can now plug your LED light into your factory harness. The high beam position on your switch will turn the XL Pro/Squadron (Pro & Sport) LED light on.

**Fuel Injected Models:** For fuel injected bikes, you will need to verify the positive and negative wire's pin position in the Factory KTM connector that your stock headlight plugged into. These wires can be identified by their color, **Brown** for negative and **Blue** for positive. Once you have verified the pin positions of the Factory harness wires you now can insert the positive (white) and negative (black) wires from the Baja Designs LED light into the supplied mating KTM connector in the same orientation of your factory harness. You will hear a distinct click when the pin locks into the connector. You can now plug your LED light into your factory harness. The high beam position on your switch will turn the XL Pro/Squadron (Pro & Sport) LED light on.

**Dimming feature:** The **XL Pro & XL80** has an attached green wire, this is for the programmed low beam. If you would like to use this feature, Baja Designs offers a switch that will mount off the clutch perch. When you press the button, it will access the 20 percent low beam feature (#66-0060). For factory dual sport model's, Baja Designs offers a dimmer relay that will plug inline of the stock harness and the light. It will utilize the stock high low handle bar switch (#12-9016). For the **Squadron Pro & Sport** are able to be dimmed using the Skene Dimmer box. For factory model's, the dimmer will plug inline of the stock harness and the light. It will come with a connector to plug inline of the flasher to power the dimmer, no splicing need (#66-0088). For non-dual sport bikes or aftermarket dual sport kits, Baja Designs offers an unwired dimmer that will come with instructions on how to wire it inline. It will utilize existing high/low switches or you can wire in your own switches (#66-0055). **Note:** Dimming features can only be utilized on DC bikes only.



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### KTM LED 2014 – 2016 Kit

 <input type="checkbox"/> 2008-2013 KTM Strap Extension Bracket (#50-0049) (QTY: 2) BIN: BS06B2	 <input type="checkbox"/> KTM Adjuster Bracket (#50-0048) (QTY: 1) BIN:BS6C5
 <input type="checkbox"/> Hardware, 6mm Nyloc Nut, Zinc (#20-1004) (QTY: 6) BIN: DS7C1	 <input type="checkbox"/> 2008-2013 KTM Nyloc Spacer (#66-0041) (QTY: 2) BIN: BS06C3
 <input type="checkbox"/> Hardware, 6mm Flat Washer (#20-1020) (QTY: 2) BIN: HW19	 <input type="checkbox"/> Hardware, M6 x 18mm Steel Washer (#20-1026) (QTY: 8) BIN: DS7D2
 <input type="checkbox"/> Hardware, Squadron, M6 Button Head Socket Cap Screw SS (#66-0028) (QTY: 4) BIN: FS6-B1	 <input type="checkbox"/> Hardware, M6 x40 Button Head SS (#20-1691) (QTY: 2) BIN: HW12



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 <input type="checkbox"/> Hardware, M5 x 10-8mm Button Head Screw SS (#66-0035) (QTY: 1) BIN: BS06B3	 <input type="checkbox"/> Hardware, 5mm Nyloc Nut (#20-1002) (QTY: 1) BIN: HW2
	 <input type="checkbox"/> Connector, 1/8" Coupler 4 Pin Female Red (#20-0111) (Qty: 1) BIN: DS2D1

### A/C Squadron Kits Only

 <input type="checkbox"/> Hardware, 1/2" OD, 3/8" Length, for 1/4" Screw Size (#20-8152) BIN: FS11E4	 <input type="checkbox"/> Hardware, 6x30 Reduced Flange Head Bolt (#20-1086) BIN: HW38
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CHECKED BY: \_\_\_\_\_

Updated 11/20/17