KTM LED Light Kit
XL (Pro & Sport)/Squadron (Pro & Sport)
Installation Manual

(2008-2013)

PN: 49-7051, 49-7061, 49-7081, 55-7051, 55-7061, 55-7081, 50-0009, 50-0010, 56-7061, 56-7081
67-7009

(2005-2007)

PN: 49-7041 , 55-7041

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LIMITED LIFETIME WARRANTY

Baja Designs proudly offers a LIFETIME WARRANTY against manufacturer's defect on all 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 can 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 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

Special Note (READ FIRST):

The Squadron (Pro & Sport) Light operates on DC voltage and draws 3.2 amps at 12.5 volts. Most electric start off-road motorcycles have an AC/DC charging system that only provides a minimal amount of DC power to the battery. If you try to run this light off the battery with the stock AC/DC charging system, you will discharge the battery and will also damage the Squadron's circuitry. For **2005-2011** year models, you will need to convert your stock charging system to run 100% DC. This can be accomplished by either floating the ground on your OEM stator or by having your OEM stator rewound. Regardless of which option you choose you will also need to replace your stock AC/DC regulator/rectifier with Baja Designs part #12-2004. If you have any questions about these modifications, please feel free to give us a call (760)560-2252 X3. For **2012-2013 EFI** bikes, you will not have to modify any of your KTM's electrical system.

Instructions for <u>2005-2007</u> KTM models

Photo 2

Photo 3

1. Remove factory headlight. Place the Squadron LED light in the headlight shell and install the 5mm adjuster screw and spring. Make sure to take your time so you don't strip the threads in the aluminum plate. You only need a few turns on the screw.

2. Now install the provided black 6mm allen head bolts, nylon spacers, washers, and lock nuts as shown in (Photos 4 & 5).

Photo 4

Photo 5

Bracket Extension Installation (All Years):

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 BOLT. YOU CAN CRACK 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.*

4. Complete same process for opposite side.

5. Install rubber straps.

Instructions for <u>2008-2013</u> KTM Models

Squadron (Pro & Sport) and XL (Pro & Sport) will mount the same.

Start by removing your stock headlight and lens assembly.

Now install the provided black 6mm allen head bolts, nylon spacers, washers, and lock nuts as shown in (Photo 6).You will re-use your stock adjuster screw although it will now be on the opposite side of the plastic boss (Photo 5).

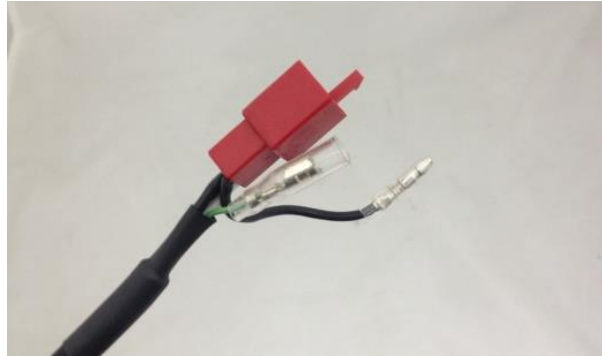**KTM Adjuster Bracket Installation:**

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.)

This kit comes with headlight extension brackets designed to utilize your stock rubber straps. (See instructions on page 4). These extensions allow the XL (Pro & Sport) and Squadron (Pro & Sport) to clear the CDI box in addition to properly aiming the XL (Pro & Sport) and Squadron (Pro & Sport) LED light.

Wiring:

XL (Pro & Sport) has an attached black and green wire, these are for the low beam; this can be accessed by using a toggle switch that is hooked to the green and black wires.

Off-Road Only Models: Assuming you have had 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 a 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 model to model. You will need to insert the black wire and the white wire form 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. Lightly tug on the wires to ensure that the pins are locked in place. Plug the 2-pin connector into the switch and the 4 pin connector into the light.

Dual Sport Models: For Factory Dual Sport Kit bikes that have had the Baja Designs DC conversion done or the AC model, you will need to verify the hot and ground wires pin position in the Factory KTM connector that your stock headlight is plugged into. These wires can be identified by their color, **Brown** for negative and **Blue** for positive. We recommend confirming this with a multimeter. 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. Slightly tug on the wires to make sure the pin is seated properly in 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.

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. Slightly tug on the wires to make sure the pin is seated properly in 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.

Mounting The A/C to D/C converter(Optional):
Please note that if you have purchased the AC version of the light, the converter will be included as well as a hardware bag of items to mount the AC to DC converter. Install the 6 x 30 reduced flange head bolt and spacer as shown in picture below.

Squadron Dimmer Box (Optional): If you intend on using a KTM dimmer box with your kit, please review the following notes:

1) **Plug corresponding side into stock KTM harness.**
2) **Plug corresponding side into Squadron/XL Pro light.**
3) **Be sure to make sure that the Skene dimmer is securely fastened to the bike using either zip ties or the provided double sided tape.**
4) **Utilize the provided "Posi tap Connector" on the red wire and purple leading from the skene dimmer, connect it to switched power on the bike.**
5) **Switched power will come from the orange wire on the bikes key switch.**