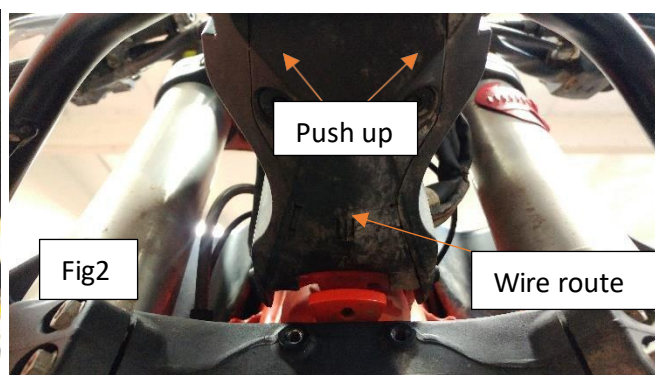# KTM 890/790/390
Optimus/Pegasus Installation

Disclaimer: We assume you possess the expertise and relevant tools to work on your machine. We also assume you have the OEM/Stock owner's manual or technical service manual for your machine. If you do not possess the skills, knowledge, or tools necessary to perform the installation of electrical and/or aftermarket parts, please see a qualified service provider.

Installation

1. Begin by removing your headlight from the bike. Refer to owner's manual or online videos for this process. Unplug and set aside.
2. Remove the two (2) T30 torx bolts on the headlight stabilizer bars.
3. Get your Cyclops 790 aux light bracket and fit it over the stabilizer bars. Due to inconsistencies in KTM welds you may need to file or grind the welds or the bracket to fit the bracket. Use the stock bolts to reattach. Don't tighten all the way yet. Fig1.

Welds to be filed or ground

Fig1

Push up

Fig2

Wire route

Optimus/Pegasus

1. Install the Optimus onto the light mount bracket.
2. Remove the access panel by pushing up on the small pins. Fig 1.
3. Get relayed harness. Route the light leads (w/Deutch connectors) through headlight bucket down through access panel connect to lights. Make sure wires are out of the way of the forks. Secure with zip ties to light bracket and around the bottom headlight stay are good locations.
4. Find blue wire on relayed harness. Remove positap cap. If you want the lights on all the time (as with Skene dimmer option) attach black end of Positap to the black wire w/red stripe on "ACC2" (390=blue/red). If you would like them to turn on with high beam attach black end to blue wire (390=blk/red) on headlight harness. Reinstall blue wire. Fig 3.
5. Locate "ACC1". Insert red wire from relayed harness into yellow w/red stripe wire
6. (390=yellow/grey). Insert black wire from relayed harness into brown wire(390=blk/yellow).
7. Position the relay on the upper inside portion of the headlight bucket above the headlight assembly. Clean the area first. Fig 4
8. If you chose the Skene Dimmer option, follow those instructions at this time. The top inside of the headlight bucket is a good mounting location for the dimmer box.
9. Test the lights to make sure they operate as intended. Once you are satisfied with the operation of the lights secure all wiring in the headlight bucket and reinstall headlight.

Fig 3

10. Insert the black nylon spacers between the light mount bracket and the headlight bucket. Use the M5(390=M6) cap head bolts supplied in the kit. Be sure to tighten these and the T30 torx at the headlight stabilizer bars to spec. Fig 5.
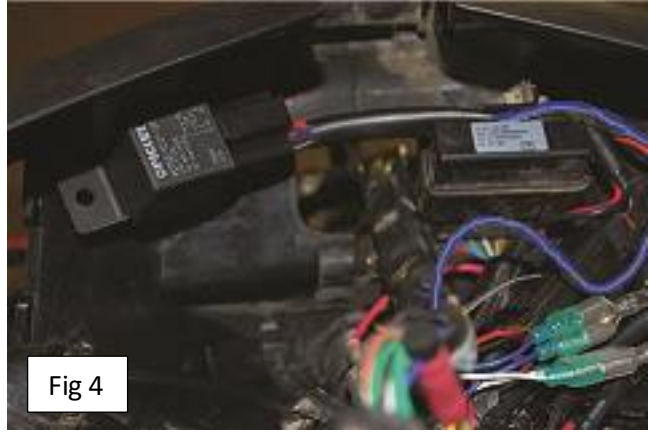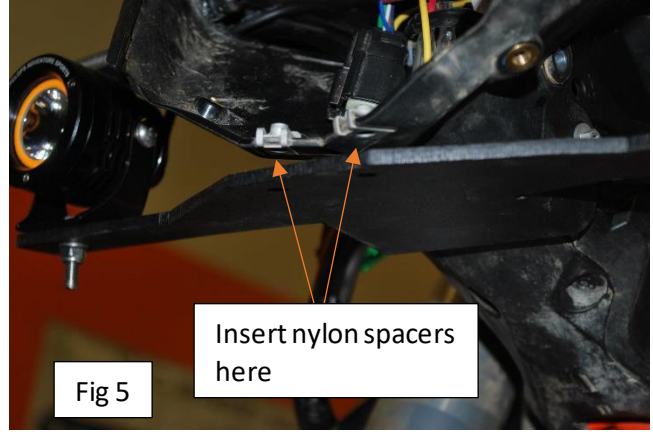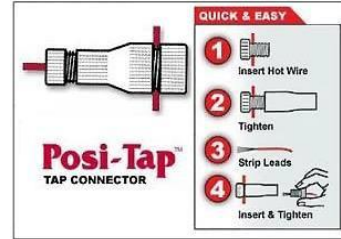

Fig 4

Fig 5

Insert nylon spacers here

Posi-Tap

1. Remove the end cap and place over wire you wish to tap. With wire threaded into cap, tighten cap into the Posi-Tap body.

Kit Contents

a	3.7-inch Optimus Aux Lights	Qty 2		e	Nylon Spacers	Qty 2
b	790 light mount brackets	Qty 1		f	M5 Cap Head Bolt	Qty 2
c	Optional Skene Dimmer	Qty 1		g	Relayed Harness	Qty 1
d	ACC 2 "Y" harness	Qty 1				

Thank you for your business and please contact us at 253-277-0408 with questions
Cyclops Adventure Sports