



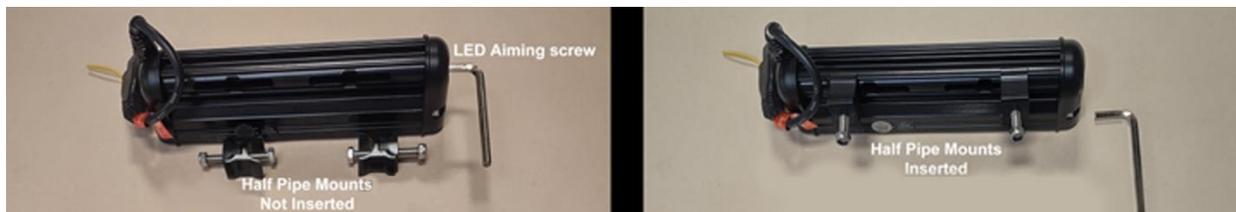
KTM 1190 Penetrator LED Light Bar

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.

1. Remove the plastic panels to gain access to the KTM headlight.
2. Remove the bikes headlight and set it aside, make sure not to scratch the plastic lens.
3. Remove the COCKPIT COVER LOWER SIDE (OEM# 60308005000) (aka: headlight housing belly pan – under the headlight)
4. Place the Penetrator aluminum bracket onto the lower side cockpit cover and align the mounting ears on the Penetrator aluminum bracket with the pockets where the two forward screws hold the lower side cockpit cover onto the bike.
 - a. Use the aluminum bracket to mark the LED light bar mounting holes.
 - b. Remove the aluminum bracket and drill two ¼ inch holes for the Led Light Bar mounts.



5. Install the Penetrator light bar onto the aluminum bracket



- a. Install the LED light bar pipe-mounts into the light bar

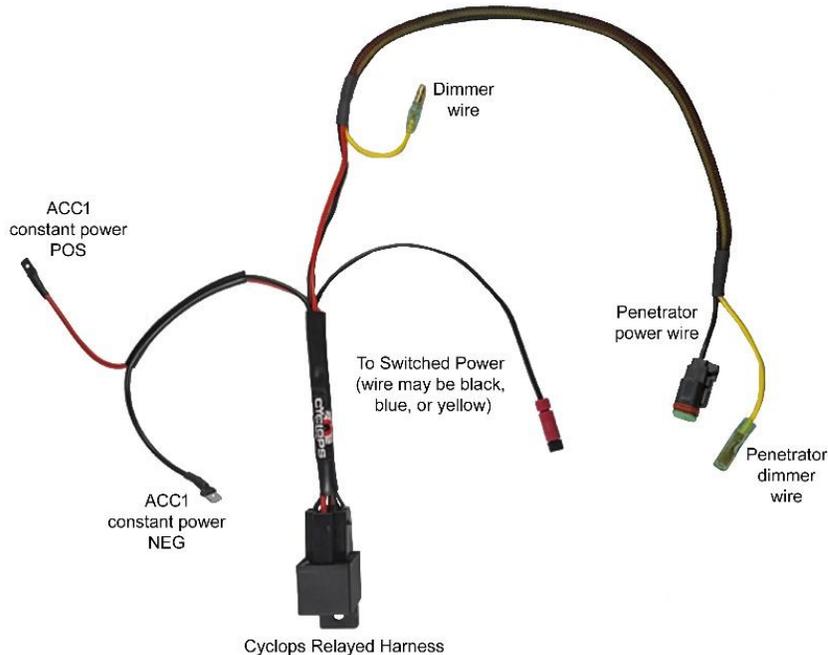


- b. Install the nuts from the pipe-mounts through the lower side cockpit cover (belly pan) ¼ inch holes that you just drilled.
- c. The nylon spacers go between the aluminum bracket mount ears and the plastic cockpit cover (belly pan).
- d. Finish washers go on top of the aluminum bracket under the nut (inside the housing).
6. Use a 1 3/8-inch step-bit or hole-bit to drill a hole where the power cable for the Penetrator light will go through the Lower Side Cockpit Cover (belly pan).
 - a. Place the rubber grommet included with your kit over the Penetrator power cord.
 - b. Push the power cord through the hole
 - c. Press fit the rubber grommet into the 1 3/8" hole in the plastic housing.



Install the wire harness

1. Mount the Cyclops Relay Harness into the back of the factory headlight bucket.
 - a. Use a zip tie to secure the Relay inside the headlight housing.



2. Install the Cyclops ACC1 SpYder Wire accessory port into the ACC1 port
 - a. ACC1 is inside the headlight housing on the right side
3. Plug the Red power wire and black ground wire from the Cyclops Relayed Harness to ACC 1.

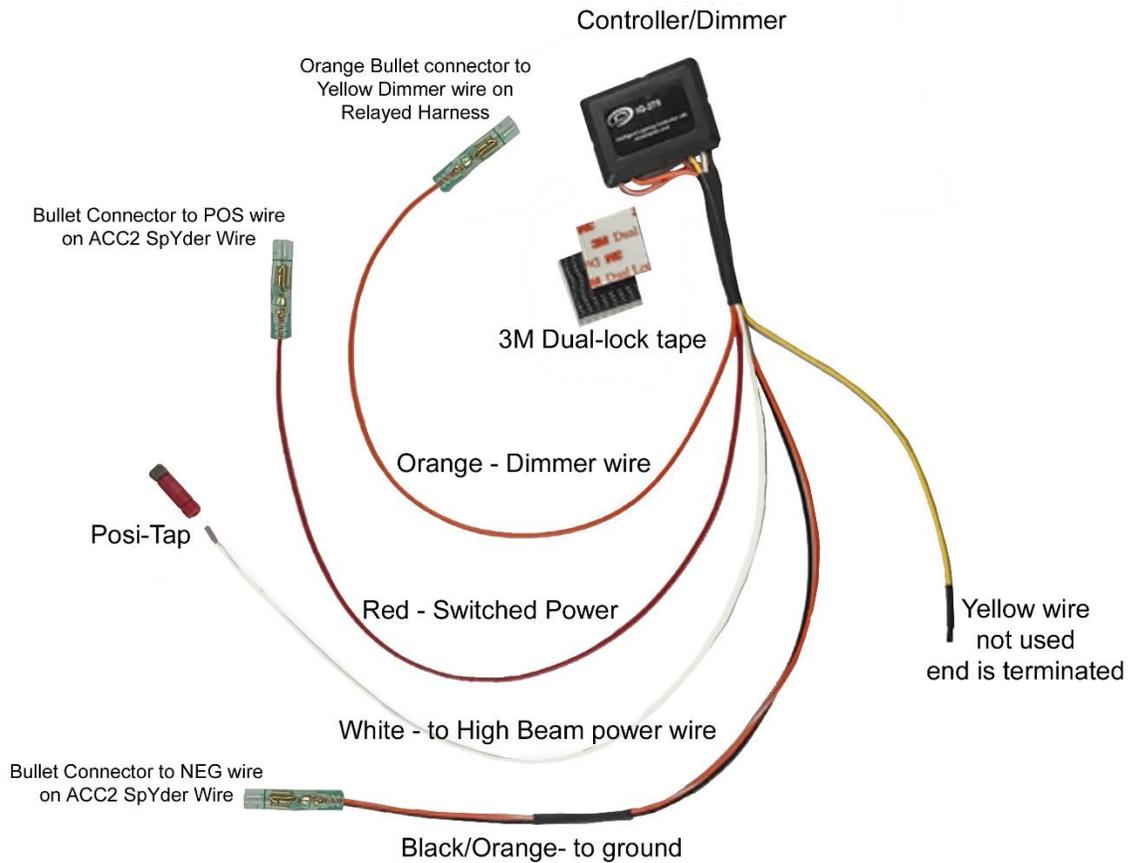


4. Install the Cyclops ACC2 SpYder Wire into ACC2 port in the left front of the headlight housing.
 - a. ACC2 port is inside the headlight housing on the left side.
5. Connect the switched power trigger wire on the Relayed harness (only wire with a Posi-Tap) to the POS terminal to the extra accessory port on the SpYder Wire.

Skene Controller/Dimmer (optional purchased separate)

1. Connect the bullet connector from the Red switched power wire on the controller to the red POS wire on the Extra Switched Accessory port on your ACC2 SpYder Wire.
2. Connect the Posi-Tap connector on the white wire on the controller to the OEM/Stock high beam power wire.
 - a. This is a blue wire on the KTM headlight wiring harness behind the bulb.
3. Connect the bullet connector from the Orange wire to the bullet connector with the yellow wire on the Relayed harness
 - a. Single bullet connector in the middle of the harness with a yellow wire.
4. Connect the bullet connector from the black/Orange wire combo on the controller to the NEG wire on the ACC2 SpYder Wire
5. Mount the controller dimmer inside the headlight housing
 - a. Clean all mounting surfaces with alcohol or acetone to remove any oils or dirt.

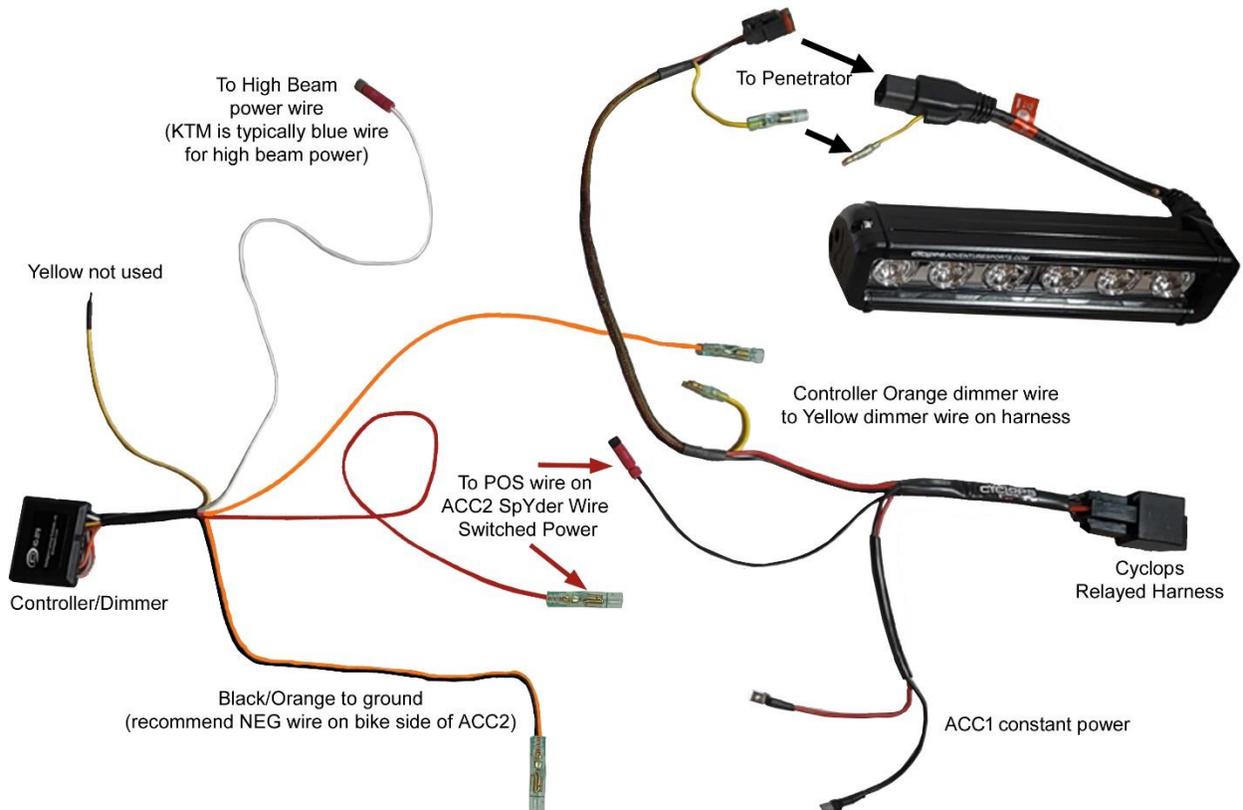
- b. Use 3M dual lock tape to secure the controller inside the housing



6. Make sure there are no wires interfering with the steering of the bike.
7. Once all wiring is complete, start the install of your Lower Side Cockpit Cover (belly pan) with the Led light bar mounted and attached.
 - a. Point the light bar down as far as possible to allow access to the forward two bolts on the Lower Side Cockpit Cover (belly pan).
 - b. Install the middle two bolts first.
 - c. Install the two forward two bolts that go through the ears on the aluminum mount.
 - i. This part requires a "ball-end" style Allen wrench.
 - ii. Use the two Allen head bolts included in the kit for this.
 - iii. Installation of the forward bolts requires patience due to the tight space.
 - iv. Use a pair of small pliers to get the bolts into the hole, then use the Allen wrench to tighten the two bolt.
8. Completely tighten all the Lower Side Cockpit Cover (belly pan) bolts.
9. Reinstall your headlight and fuel tank loosely.

10. Check the function of the lightbar and switch.
 - a. Turn on bike
 - b. Low beam is on the Penetrator light bar is at 50% illumination
 - c. High beam in on the Penetrator light bar is on at 100% illumination
11. Reinstall all the plastics and seat.
12. Aim your LED lightbar.
 - a. There are two large Allen bolts, one on each end of the light bar,
 - b. Aim light and tighten the two light bar Allen bolts.
 - i. Failure to aim and tighten the Allen bolts will result in the bolts falling out during use.

General wiring layout



Kit contents



a	Penetrator Light Bar	Qty 1		e	Light bar pipe mount "feet"	Qty 2
b	Cyclops ACC SpYder Wire	Qty 2		f	Light bar mount kit	Qty 1
c	Main relayed harness	Qty 1		1-rubber grommet, 2-M5 bolts, 2-M5 washer, 2-nylon spacers, 1 aluminum bracket		
d	Skene dimmer (optional)	Qty 1				

Posi-tap Instructions: black end = remove black cap and place over wire you wish to tap. Insert black cap back into red Posi-tap body and tighten snugly. No wire stripping is needed

