

## INSTALLATION INSTRUCTIONS

### ORBIT PRISM+ 5-3/4" L.E.D. HEADLIGHT

2473

DOWNLOAD APP TO PHONE: **KURYAKYN PRISM+**

**THANK YOU FOR CHOOSING KURYAKYN!**

Protect yourself and others from possible injury and property damage or loss. Pay close attention to all instructions, warnings, cautions, and notices regarding the installation, use, and care of this product.

**WARNING** THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN POTENTIAL DEATH OR SERIOUS INJURY.

**CAUTION** THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN MINOR OR MODERATE POTENTIAL INJURY.

**NOTICE** THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN MAY NEGATIVELY AFFECT PRODUCT PERFORMANCE AND FUNCTIONALITY OR DAMAGE THE PRODUCT ITSELF OR THE PRODUCT TO WHICH IT IS BEING ATTACHED.

#### ENSURE THAT THE FOLLOWING PARTS HAVE BEEN INCLUDED IN THE KIT:

1	Headlight	1	Extension Cord
1	Bluetooth Controller	6	4" Cable Ties

#### YOU WILL ALSO NEED:

Phillips screw driver, wire stripper, drill and drill bit set, electrical and masking tape

**NOTICE** THESE INSTALLATION INSTRUCTIONS CONTAIN IMPORTANT INFORMATION. ENSURE THE END USER RECEIVES THIS COPY AND IS AWARE OF ITS IMPORTANCE FOR FUTURE USE.

**NOTICE** REFER TO THE LAST PAGE OF THE INSTALLATION INSTRUCTIONS FOR L.E.D. COUNTS FOR EACH VARIATION OF PRISM+ LIGHTS. BLUETOOTH CONTROLLERS HAVE A MAX CAPACITY OF 250 L.E.D.S CONNECTED TO IT AT A TIME. MAX CAPACITY PER CHANNEL IS 100 L.E.D.S, BUT THE CONTROLLER SHOULD NEVER EXCEED A TOTAL OF 250 L.E.D.S CONNECTED TO IT.

**WARNING** A FACTORY SERVICE MANUAL WILL BE HELPFUL IN PERFORMING THIS INSTALLATION. DO NOT ATTEMPT TO PERFORM THIS INSTALLATION IF YOU ARE NOT CONFIDENT IN YOUR ABILITY TO COMPLETE ALL OF THE STEPS IN THE PROCEDURE; CONSULT A TRAINED TECHNICIAN. IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.

**STEP 1** Read and understand all steps in the instructions before starting the installation. Park the motorcycle on a hard, level surface and turn off the ignition. Let motorcycle cool.

**STEP 2** Refer to PIC 2. Unfasten, disconnect, and remove existing Headlight from motorcycle. Set mounting hardware and parts aside, they will be reused.

*Note: Take note of the order of how the parts were removed. Installation of the new lights will be in the reverse order of how the existing lights were installed.*

**IF THERE IS NOT AN OPENING IN THE HEADLIGHT'S HOUSING CASE, CONTINUE TO STEP 3.**

**IF THERE IS AN OPENING IN THE HEADLIGHT'S HOUSING CASE, CONTINUE TO STEP 7.**

**NOTICE** MEASURE TWICE – DRILL ONCE. DOUBLE CHECK ALL REFERENCE MARKS MADE ON THE HOUSING CASE BEFORE DRILLING. KURYAKYN WILL NOT PROVIDE WARRANTY COVERAGE ON PRODUCTS OR COMPONENTS DAMAGED AS A RESULT OF THIS INSTALLATION.



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- STEP 3** Refer to PIC 3. Use a sharpie to mark the location where the wire will be passing through the housing case. It is suggested to do it in a place close to the headlight's mounting perch, to keep the wiring out of site and in a position where the wire can be easily tied down.

**NOTICE**

IF DRILLING INTO THE PASSING LAMP HOUSING CASE WHILE IT IS STILL MOUNTED ON THE BIKE, TAKE **EXTREME PRECAUTION** TO PREVENT THE DRILL FROM GOING THROUGH ANYTHING OTHER THAN THE HOUSING.

- STEP 4** Drill a 5/8" hole in the headlight housing case at the marks made in Step 3. Remove any debris from the work area.
- STEP 5** Locate provided Headlight. Insert the black wires with four pin plug, attached to the headlight, through the opening in the headlight housing case (pre-existing opening or through the drilled hole). Pull the wiring through.
- STEP 6** Insert the grommet, located on the wire, into the drilled hole in the housing cases.
- STEP 7** Refer to PIC 4. Connect the 3-blade plug of the Headlight to the headlight housing connector.

*Note: Hardwiring may be required for installation of headlight to headlight wires in the housing case. Refer to your service manual or seek assistance from a trained technician for further help.*

- STEP 8** If Prism+ Bluetooth Controller is already installed, continue to Step 13.

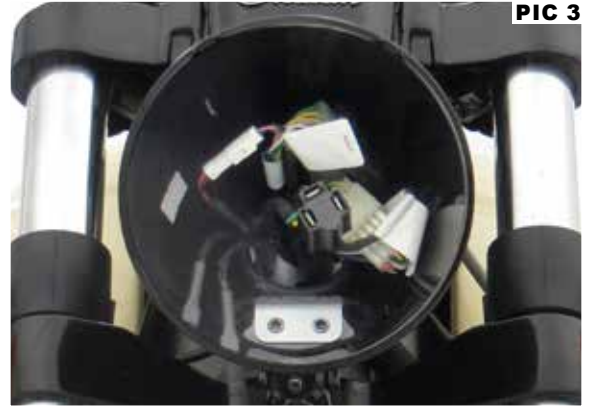
If installing Prism+ Bluetooth Controller that was supplied with this kit continue to Step 9.

- STEP 9** Refer to PIC 5. Locate provided Prism+ Bluetooth Controller. Gain access to your motorcycle's battery for installation of the Bluetooth Controller.

*Note: Battery location and access will vary. Refer to your motorcycle's service manual for assistance.*

- STEP 10** Fasten the controller's two positive hook terminals (red wires with hook terminals) to the positive post on the battery, and the negative hook terminal (black wire with hook terminal) to the negative post on the battery. Fully secure hooks in place.

Do **NOT** connect pigtail wires labeled "brake", "left", "right", unless installing additional Prism+ lights. Refer to the instructions provided with them for installation of pigtail wires. If not installing additional light kits, use electrical tape to individually wrap the exposed pigtails wires. Secure the wires in a safe place.



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#### NOTICE

THE THERMAL LIMIT OF THE MODULE IS 55°C (131°F). IF THE BLUETOOTH CONTROLLER EXCEEDS THESE TEMPERATURES PRISM+ LIGHTS MAY MALFUNCTION.

**STEP 11** Set the controller within a safe open space located in or around the motorcycle's frame near the battery. Feed the controller's power switch out from the inner frame area and set it, but do not install it, in desired location.

**STEP 12** Locate provided Extension Cord. Connect the extension cord to the headlight.

*Note: Refer to PIC 6. Make note of the raised dot and the Kuryakyn K-shield logo on opposite ends on each part. When connecting cords to cords, cords to lights, or lights to lights be sure that the raised dot and K-shield logo are both visible when connecting. When parts are connected, the K-shield logos of those parts should be visible on the same side. If within your chain of cords and lights a shield is facing in the opposite direction, it is connected incorrectly.*

**STEP 13** Refer to PIC 7. Connect the extension cord to the Bluetooth Controller or to other previously installed Prism+ extension cords or lights. Be aware of the four different channels on the controller: front left, front right, rear left, and rear right. The headlight will need to connect to either the front left or front right channel. Turn on the Bluetooth Controller switch, open the Kuryakyn Prism+ App on your phone, and pair the two devices. Test for proper function of the headlight before fully installing it on your bike.

**STEP 14** After testing the headlight, disconnect it.

#### NOTICE

TO ENSURE PROPER FUNCTIONALITY OF THE HEADLIGHT, BE SURE THEY ARE CONNECTED TO THEIR PROPER CHANNEL: FRONT LEFT OR FRONT RIGHT.

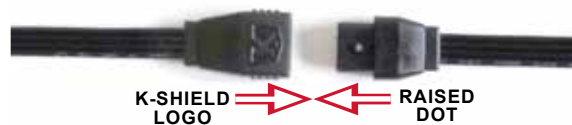
**STEP 15** Route the extension cord accordingly and connect the Headlight to the Bluetooth Controller, or to other Prism+ extension cords or lights.

**STEP 16** Refer to PIC 8. Tuck wiring into headlight housing. Align the headlight so that "DOT" is readable and is positioned on the bottom of the light. Place the headlight on the motorcycle. Use the OEM parts and hardware that was removed in Step 2 to fasten the headlight to the motorcycle.

**STEP 17** Test function of lights. Ensure all of the lights properly function before operating motorcycle.

PIC 6

CORD TO CORD CONNECTION SHOWN



PIC 7



PIC 8



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**NOTICE**

ENSURE PROPER ADHESION OF THIS PRODUCT. REMOVE ALL GREASE, OIL, BUGS, DIRT, AND OTHER DEBRIS (INCLUDING WAX AND POLISH) FROM THE INSTALLATION AREA. KURYAKYN WILL NOT PROVIDE WARRANTY COVERAGE ON PRODUCTS OR COMPONENTS LOST OR DAMAGED DUE TO IMPROPER INSTALLATION.

DO NOT ATTEMPT THIS INSTALLATION IN TEMPERATURES BELOW 50°F (10°C). PROPER ADHESIVE BONDING ONLY OCCURS ABOVE 50°F (10°C).

**STEP 18** Using warm soapy water and a clean rag, remove all dirt and debris from the installation areas for the Bluetooth Controller's switch; allow the area to dry completely. Allow the area to dry completely.

**STEP 19** Refer to PIC 9. Remove and discard adhesive backer from the Bluetooth Controller's switch. Align and place it on the bike. Press into place for one minute; full bonding will occur after 24 hours.

**STEP 20** Secure all cords in a safe place. Ensure that cords are secured away from any moving parts, excessive heat or pinch points.

**NOTICE**

SECURE ALL WIRING AWAY FROM ANY MOVING PARTS, PINCH POINTS OR EXTREME HEAT. KURYAKYN WILL NOT ISSUE A WARRANTY ON ANY ELECTRICAL COMPONENT THAT FAILS DUE TO PINCHED, CRIMPED, BROKEN, ABRADED, MELTED OR FRAYED WIRES.

**NOTICE**

IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THAT ALL OF THE FASTENERS (INCLUDING PRE-ASSEMBLED) ARE TIGHTENED BEFORE OPERATION OF THE MOTORCYCLE. KURYAKYN WILL NOT PROVIDE WARRANTY COVERAGE ON PRODUCTS OR COMPONENTS LOST DUE TO IMPROPER INSTALLATION OR LACK OF MAINTENANCE. PERIODIC INSPECTION AND MAINTENANCE ARE REQUIRED ON ALL FASTENERS.

BLUETOOTH  
CONTROLLER'S  
SWITCH  
OFF BIKE VIEW



PIC 9



FINAL

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#### LIMITED WARRANTY

Kuryakyn warrants that any Kuryakyn products sold hereunder, shall be free of defects in materials & workmanship for a period of one (1) year from the date of purchase by the consumer excepting the following provisions:

1. Kuryakyn shall have no obligation in the event the customer is unable to provide a receipt showing the date the customer purchased the product(s).
2. The product must be properly installed, maintained & operated under normal conditions.
3. Kuryakyn shall not be liable for any consequential & incidental damages, including labor & paint, resulting from failure of a Kuryakyn product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breach of contract or duty between Kuryakyn & a customer.
4. Kuryakyn products are often intended for use in specific applications. Kuryakyn makes no warranty if a Kuryakyn product is used in applications other than intended.
5. Kuryakyn electrical products are warranted for one (1) year from the date of purchase by the consumer. ww.'s contained in components of Kuryakyn products will be warranted for defects in materials & workmanship for 3 years from the date of purchase whereas all other components shall be warranted for one (1) year.
6. All warranty claims must be directed to the place of purchase. Merchandise sold through internet auction sites or any other unauthorized reseller shall not carry a Kuryakyn warranty. If unsure, please contact the place of purchase to verify they are an authorized Kuryakyn reseller.

#### RETURN POLICY

Merchandise determined to be defective may be returned up to one year from the date of purchase. Returns must be processed through original seller. Returned merchandise for any other reason other than warranty claims must be in like new condition & subject to a 20% restocking fee. All returns are subject to inspection for determination of full or partial credit. Any returned part that shows evidence of being used or installed contrary to manufacturer's instructions, &/or subjected to improper handling, packaging or return shipping by the customer, will not be eligible for exchange, refund or warranty consideration. All returned electrical items will be inspected & tested. If electrical item is deemed functional, no credit will be issued & item will be returned. All sales are final on discontinued or closeout merchandise.

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For additional information on third-party product and company names, please consult our Web page at [www.kuryakyn.com/legal-notice](http://www.kuryakyn.com/legal-notice)

## FCC WARNING STATEMENT

**This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**CAUTION: any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may no cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.**

**The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.**



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**NOTICE**

REFER TO THE L.E.D. COUNT TABLE FOR EACH VARIATION OF PRISM+ LIGHTS. BLUETOOTH CONTROLLERS HAVE A MAX CAPACITY OF 250 L.E.D.S CONNECTED TO IT AT A TIME. MAX CAPACITY PER CHANNEL IS 100 L.E.D.S, BUT THE CONTROLLER SHOULD NEVER EXCEED A TOTAL OF 250 L.E.D.S CONNECTED TO IT.

PRISM COMPONENTS	L.E.D. COUNT
HEADLIGHT 7"	48
HEADLIGHT 5-3/4"	36
PASSING LIGHT 4-1/2"	24
ROULETTE	16
FLARE	8
4" STRIP	8
8" STRIP	16
POD*	8 L.E.D. COUNT (*4 CONTROLLER READ COUNT)

\*The bluetooth controller reads a pod light as 4 L.E.D.s, even though they have a total of 8 L.E.D.s.

**CREATING A SINGLE CHAIN OF PODS AND/OR STRIP LIGHTS:**

Refer to FIG 1.1. Do not exceed the 100 L.E.D. maximum capacity per channel. Place a loop connector on the very end of the chain of lights.

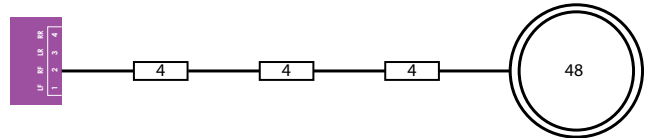
FIG 1.1



**CREATING A SINGLE CHAIN OF PODS AND/OR STRIP LIGHTS WITH A HEADLIGHT OR ROULETTE WHEEL:**

Refer to FIG 2.1. Do not exceed the 100 L.E.D. maximum capacity per channel. Place Headlight or Roulette Wheel on the end of the chain.

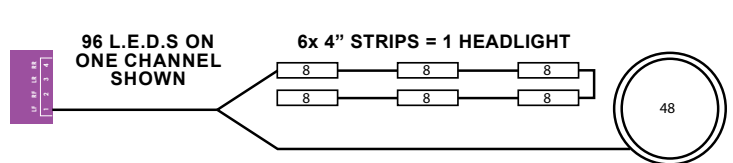
FIG 2.1



**USING A Y-CONNECTOR WITH A HEADLIGHT, THE PASSING LIGHTS, A ROULETTE WHEEL, OR THE FLARE LIGHTS:**

Refer to FIG 3.1. When Y-Connectors are used with a Headlight, the Passing Lights, a Roulette Wheel, or the Flare Lights, each branch of the Y-Connector needs to have the same amount of L.E.D.s to function properly. Lights can be placed before a Y-Connector as long as the 100 L.E.D. maximum capacity per channel is not exceeded.

FIG 3.1



When balancing a branch using Pod Lights the controller reads them as 4 L.E.D.s, but the actual count is 8 L.E.D.s per Pod. The 8 count is used in the overall total of L.E.D.s on a channel. Make sure not to exceed the 100 L.E.D. maximum capacity per channel.

**USING A Y-CONNECTOR WITH PODS AND/OR STRIP LIGHTS ONLY:**

Refer to FIG 4.1 and 4.2. When using Y-Connectors, the branch with the most L.E.D.s on it needs to have a loop connector added to the end of it.

FIG 4.1

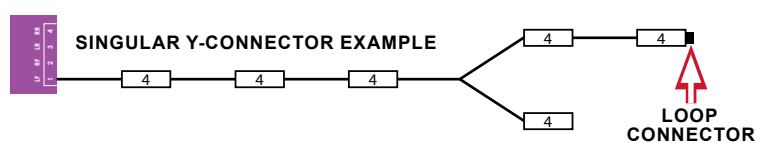
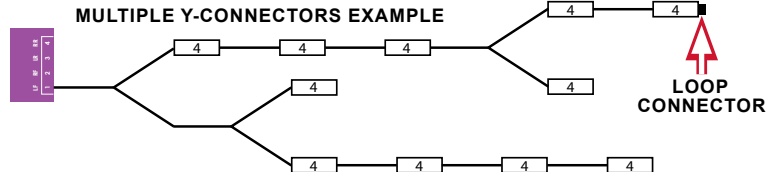


FIG 4.2



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