

INSTALLATION INSTRUCTIONS

ORBIT PRISM+ 4-1/2" L.E.D. PASSING LAMPS

2477

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:

2	Passing Lamps	2	Grommets
2	Extension Cords	6	4" Cable Ties
1	Y-Connectors - Short		

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.

Note: This kit does not include a Prism+ Bluetooth Controller. If motorcycle is not already equipped with a Prism+ Bluetooth Controller, one must be purchased separately, P/N 2468. Not compatible with Prism Bluetooth Controller.

STEP 2 Refer to PIC 2. Unfasten, disconnect, and remove existing 4-1/2" Passing Lamps 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 PASSING LAMPS' HOUSING CASE, CONTINUE TO STEP 3.

IF THERE IS AN OPENING IN THE PASSING LAMPS' HOUSING CASE, CONTINUE TO STEP 6.



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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.

STEP 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 Passing Lamps' 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

Refer to PIC 3. Drill a 1/4" hole in both passing lamp housings at the marks made in Step 3. Remove any debris from the work area.

STEP 5

Refer to PIC 4. Locate provided rubber grommets. Insert a grommet into each of the drilled holes in the light housing cases.

STEP 6

Locate provided Passing Lamps.

FOR H-D MOTORCYCLE:

Refer to PIC 5. Remove the connected plug-in, with the red and black open ended wire, from the Passing Lamps' plug-in and discard it.

FOR NON-H-D MOTORCYCLES:

Refer to PIC 6. Keep the connected plug-in, with the red and black open ended wire, attached to the Passing Lamps' plug-in.

STEP 7

Refer to PIC 7. Locate the mounting hardware and brackets that were removed in Step 2. Align and place OEM brackets on the backside of the light, if applicable.

STEP 8

Insert the four wire bundle, the two exposed and two with butt connectors, through the opening in the passing lamp housing case (pre-existing opening or through the grommet hole). Pull the wiring through.

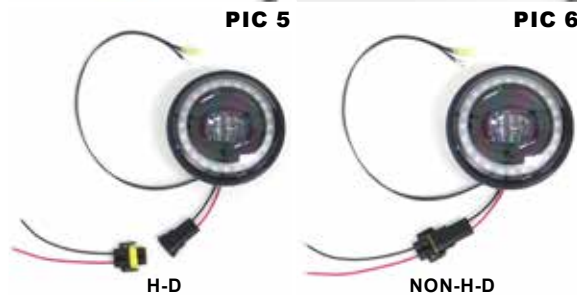
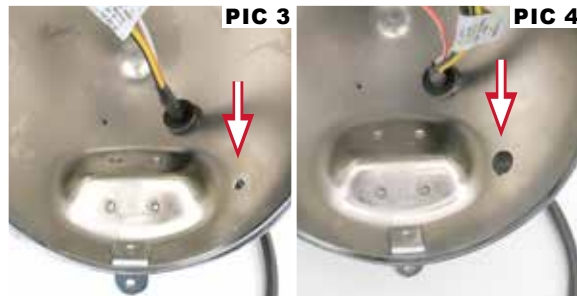
STEP 9

FOR H-D MOTORCYCLE:

Refer to PIC 8. Connect the 2-blade plugs of the passing lamp passing lamp housing connector. Be sure wires correspond with the housing connectors (red to positive, black to ground).

FOR NON-H-D MOTORCYCLES:

Splice the red (positive) and black (ground) wires of the connector plug, with positive and ground wires of the passing lamp housing wires.



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STEP 10 Refer to PIC 9 and 10. Fasten the passing lamp to the passing lamp housing case in the reverse order that it was removed in Step 2, using the OEM parts and hardware that were removed in Step 2.

STEP 11 Locate two (2) provided Extension Cords.

STEP 12 Refer to PIC 11 and 12. On both the Passing Lamp and the extension cord, locate the wire with white writing on it. Align the writing wires with each other and each corresponding wire after that. Connect butt connectors to the corresponding exposed wire.

STEP 13 Refer to PIC 13. Locate existing installed Prism+ Bluetooth Controller; or install the Prism+ Bluetooth Controller, or other Prism+ Light Kit, per the instructions provided with them. Be aware of the four different channels on the controller: front left, front right, rear left, and rear right.

STEP 14 Locate provided Y-Connector.

STEP 15 Connect the Y-Connector to a single front channel on the controller, front left or front right, or to a singular chain of Prism+ extension cords or lights that are connected to the front left or front right channel.

Note: Refer to PIC 14. 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 16 Connect the extension cords from the Passing Lamps to the Y-Connector. 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 lights before fully installing them on your bike.

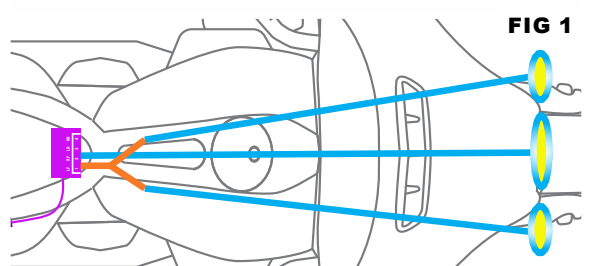
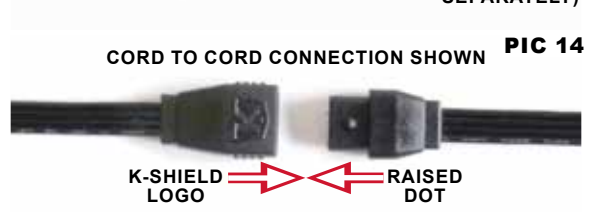
NOTICE

REFER TO FIG 1. IF PASSING LAMPS AND A HEADLIGHT ARE BOTH INSTALLED, THEY NEED TO BE ON SEPARATE FRONT CHANNELS. SEE LAST PAGE FOR L.E.D. COUNTS AND ADDITIONAL INFORMATION.

STEP 17 After testing the Passing Lamps, disconnect them.

NOTICE

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



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- STEP 17** Route the extension cord accordingly and connect them to the Y-Connector.
- STEP 18** Test function of lights. Ensure all of the lights properly function before operating motorcycle.
- STEP 19** 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.



PIC 15



PIC 16

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. L.E.D.'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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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.

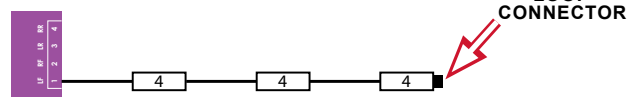
PRISM COMPONENTS	L.E.D. COUNT
HEADLIGHT 7"	48
HEADLIGHT 5-3/4"	36
PASSING LIGHT 4-1/2"	24
ROULETTE	16
FLARE	8
4" STRIP	8
8" STRIP	16
POD*	8 L.E.D. COUNT (*4 CONTROLLER READ COUNT)

*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.

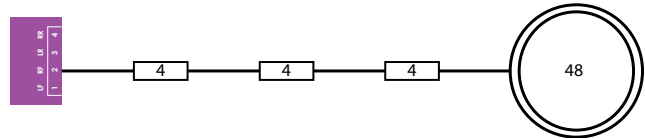
FIG 1.1



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.

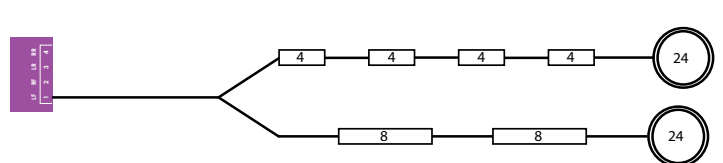
FIG 2.1



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

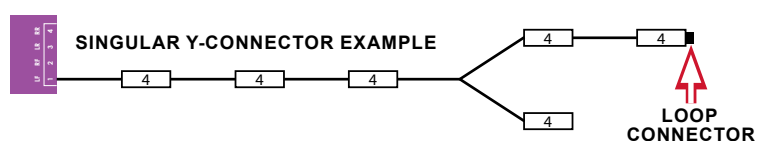
Refer to FIG 3.1. When Y-Connectors are used with a Headlight, the Passing Lights, a Roulette Wheel, or the Flare Lights, each branch of the Y-Connector needs to have the same amount of L.E.D.s to function properly. Lights can be placed before a Y-Connector as long as the 100 L.E.D. maximum capacity 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.

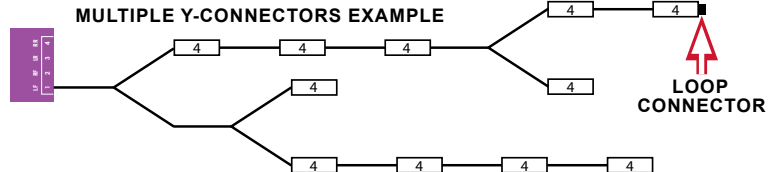
FIG 4.1



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 4.2



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