



# INSTALLATION

## BLACK/CHROME ALLEY CAT AIR CLEANER KIT

**9517**

### PARTS INCLUDED

- 1 Black Alley Cat Air Cleaner Cover with Chrome Mesh
- 1 Stay Ring—Black Plastic—**NOT USED**
- 1 Hardware Kit Containing:
  - 1 5/16"-18 to 1/4"-28 Stud
  - 1 Nylon Ratchet
  - 1 Black/Chrome Tri-Bar Fastener
  - 3 Adhesive Backed Foam Blocks—**NOT USED**
- 1 Street Sleeper Air Cleaner Assembly With Filter
- 1 Composure Strap Assembly—**NOT USED**
- 1 Velocity Plate
- 1 Vibe X Assembly—**NOT USED**
- 1 Air Lock Ring
- 1 Hardware Kit Containing:
  - 5 #8-32 X 3/8 Countersunk Socket Head Bolts—**LONG**
  - 4 #8-32 X .3125" Countersunk Socket Head Bolts—**NOT USED**
  - 1 #8-32 X 5/16" Button Socket Head Bolt
  - 1 #8 Flat Washer Stainless
  - 3 1/4"-20 X 3/4" Socket Head Bolt
  - 3 1/4"-20 X 1/2" Socket Head Bolt—**NOT USED**
  - 2 Black Rubber Vacuum Caps
  - 1 Knurled Drum—**NOT USED**
  - 1 Custom Button Socket Head Bolt—**NOT USED**
  - 1 Chrome Steel Tube Tie
- 2 Breather Hoses
- 2 Breather Bolts
- 1 Gasket
- 1 Chrome Mounting Bracket
- 1 Installation Instructions

Please read and understand entire instructions before starting installation.

### THANK YOU FOR CHOOSING KÜRYAKYN!

**IN ORDER TO PROTECT YOU AND OTHERS FROM POSSIBLE INJURY AND/OR PROPERTY DAMAGE OR LOSS, PLEASE PAY CLOSE ATTENTION TO ALL INSTRUCTIONS, WARNINGS, CAUTIONS AND NOTICES REGARDING THE 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.**

#### **NOTICE**

**This indication alerts you to the fact that ignoring the contents described herein may negatively affect product performance and functionality.**

#### **NOTICE**

**IF INSTALLING THIS PRODUCT FOR ANOTHER PARTY, PLEASE MAKE SURE THEY RECEIVE THIS COPY OF THE INSTALLATION INSTRUCTIONS SO THEY ARE AWARE OF THE IMPORTANT INFORMATION CONTAINED IN THEM.**

### TOOLS SUGGESTED

Set of Hex Wrenches, Set of Combination Wrenches, Torque Wrench (in/lb), Socket Set, Blue Thread Locker

**STRICTLY OBSERVE THE FOLLOWING GUIDELINES IN ORDER TO USE THE PRODUCT PROPERLY AND AVOID POTENTIALLY DANGEROUS ACCIDENTS.**

### CUSTOMER SERVICE

877.370.3604 (toll free)

### INSTALLATION QUESTIONS

techsupport@kuryakyn.com  
or call 715.247.2983

### LIMITED WARRANTY

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

- Küryakyn shall have no obligation in the event the customer is unable to provide a receipt showing the date the customer purchased the product(s).
- The product must be properly installed, maintained and operated under normal conditions.
- Küryakyn makes no warranty, expressed or implied, with respect to any gold plated products.
- Küryakyn shall not be liable for any consequential and incidental damages, including labor and paint, resulting from failure of a Küryakyn product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breach of contract or duty between Küryakyn and a customer.
- Küryakyn products are often intended for use in specific applications. Küryakyn makes no warranty if a Küryakyn product is used in applications other than intended.
- Küryakyn electrical products are warranted for one (1) year from the date of purchase by the consumer. L.E.D.'S contained in components of Küryakyn products will be warranted for defects in materials and workmanship for 3 years from the date of purchase where as all other components shall be warranted for one(1) year. This includes, but is not limited to; control modules, wiring, chrome & other components.

- Küryakyn makes no warranty of any kind in regard to other manufacturer's products distributed by Küryakyn. Küryakyn will pass on all warranties made by the manufacturer and where possible, will expedite the claim on behalf of the customer, but ultimately, responsibility for disposition of the warranty claim lies with the manufacturer.

### ABOUT OUR CATALOG

For purchasing Küryakyn® products, you can receive a complete catalog free of charge.

Send the Proof-of-Purchase below with your address to: Küryakyn, P.O. Box 339, Somerset, WI 54025.

Please indicate either Accessories Catalog for Harley-Davidson® or GL & Metric Cruisers.

Be sure to ask your local dealer about other Küryakyn® products, the motorcycle parts and accessories designed for riders by riders.

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**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 cool.

**Kuryakyn®**

**NOTE:** Pictures shown of Chrome parts. Installation of Black parts will be the same.

**NOTE:** Carbureted bikes will require the separate purchase of Kuryakyn's Blue Grass Breather system, P/N 9932, for correct installation of this air filter kit.

**WARNING** YOU WILL BE WORKING AROUND THE ENGINE AND EXHAUST SYSTEM DURING INSTALLATION. ENSURE THAT THE ENGINE AND EXHAUST SYSTEM HAVE FULLY COOLED TO PREVENT INJURY.

**NOTICE** A factory service manual may 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.

**NOTICE** Proper tuning is important. We recommend carbureted bikes should be rejetted and fuel injected bikes should be tuned with a TTS MasterTune tuning system (calibrations available at [www.kuryakyn.com](http://www.kuryakyn.com)), or by an experienced tuner, on a dyno, with an exhaust gas analyzer. 2007 and later Harley Twin Cams run especially lean combined with retarded ignition timing. Lean conditions and/or retarded ignition timing will cause high exhaust temperatures and discolor chrome exhaust.

**STEP 2** Remove the stock air cleaner assembly, mounting hardware, and hoses. The stock air cleaner cover will be re-used. Remove the gasket from the face of the throttle body or carb.

**STEP 3** On the new backing plate, install the two breather hoses in the orientation shown in PIC 1. If you are installing the Street Sleeper II on a carbureted bike, or are not using the supplied breather bolts and hoses, use the included Black Rubber Vacuum caps over the nipples on the backing plate.

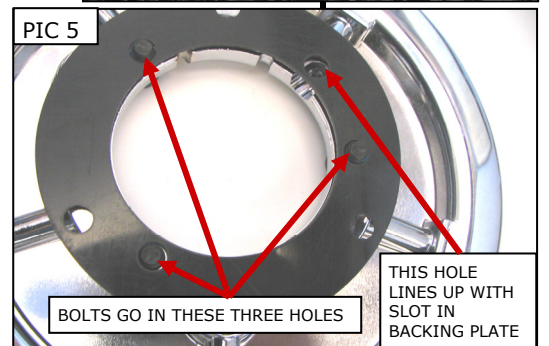
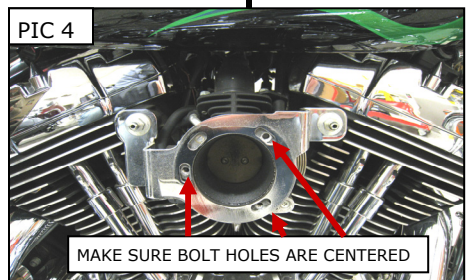
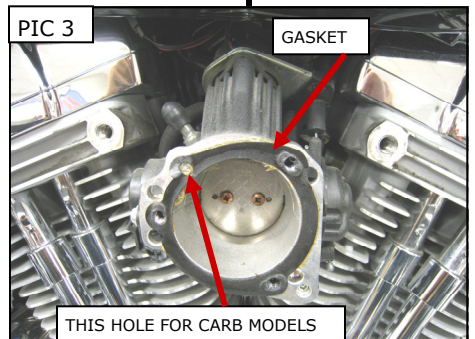
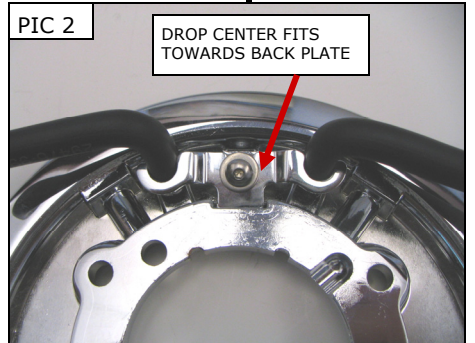
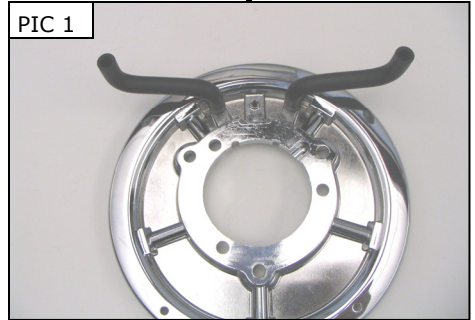
**STEP 4** Attach the breather hose (or Black Rubber vacuum cap on carbureted bikes) retainer (Chrome Steel Tube Tie) with the supplied #8-32 Button Socket Head Bolt and Washer and tighten PIC 2. The dropped center of the retainer goes towards the backing plate.

**STEP 5** Locate the gasket. Hold the gasket (as shown in PIC 3) to the flange of the air intake, make sure you line up the holes of the gasket with those on the air intake. PIC 4 Set the mounting bracket into position, then thread in the supplied breather bolts, or install the Blue Grass breather on carbureted bikes, to attach the bracket to the heads. Make sure the bolt holes in the carb/throttle body are in the center of the slots in the bracket and the gasket is between the carb/throttle body and the mounting bracket. PIC 4 Tighten breather bolts.

**STEP 6** Insert the 1/4"-20 x 3/4" fasteners through the correct mounting holes from the front of the backing plate, see PIC.5

**STEP 7** Place the air lock ring over these from the back side. PIC 5 The Air Lock Ring will act as a gasket between the backing plate and the bracket, **no extra gasket** will be needed here. Attach the backing plate assembly over the bracket to the throttle body or carb. Attach the two breather hoses from STEP 4 to the breather bolts from STEP 3. Tighten securely.

**NOTE:** When installing the air lock ring, be sure the unused hole in the air lock ring lines up with the float bowl vent slot, at the 10 o'clock position. PIC 5



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**ALLEY CAT AIR CLEANER KIT**

**INSTALLATION**



## STEP 8

Line up the Velocity Plate on the front of the backing plate so the slots in the edge line up with the slots on the backing plate and the cut out is lined up with the three openings in the top of the backing plate. PIC 6

## STEP 9

Install the Spider Bracket over the slots in the backing plate and Velocity Plate. Then attach it to the backing plate with the supplied #8-32 X 3/8" (longer) Countersunk Socket Cap Screws. PIC 7

## STEP 10

Install the outer portion of the air filter to the backing plate. This will snap in place over the Velocity Ring. Install the center portion of the filter to the outer portion. There is a Hex cut into the back center of the center filter that will fit over the Hex post on the Spider Bracket. Rotating the filter will allow this post to fall into the cut-out.

## STEP 11

Insert the 5/16" (larger) end of the stud through the outside of the Alley Cat Cover. PIC 8

## STEP 12

Place a drop of blue thread locker on the 5/16" (larger) end of the stud. Place the Alley Cat Cover over the filter and secure to the filter with the stud. Tighten to 36-60 in/lbs, lining up the flats on the stud with the dowels on the cover as shown in PIC 9.

## STEP 13

Place the Nylon Ratchet over the hex on the stud on the outside of the cover. There are indents in the Nylon Ratchet that will fit over the dowels on the cover. PIC 9 You may have to loosen or tighten the stud slightly to get the indents and dowels to line up. PIC 10 Place a drop of blue thread locker on the threads of the stud and thread the Tri-Bar fastener to the stud. There are teeth on the Nylon Ratchet that the teeth on the Tri-Bar will engage to help hold the Tri-Bar in place. **The Tri-Bar only needs to be finger tight! DO NOT over tighten it!**

## STEP 14

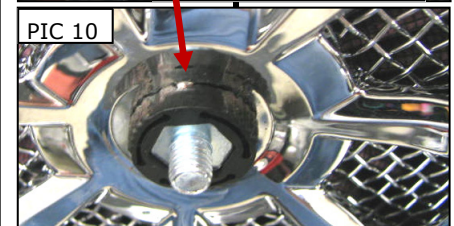
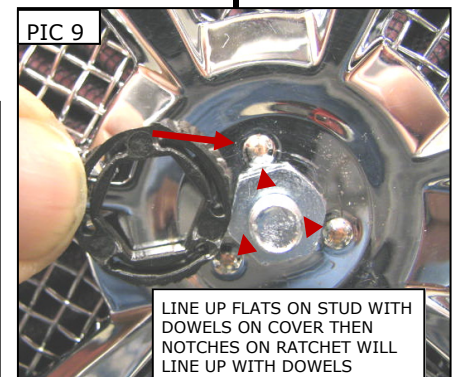
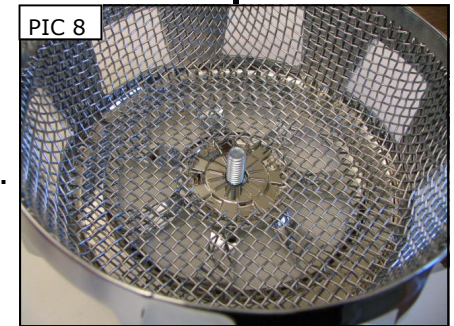
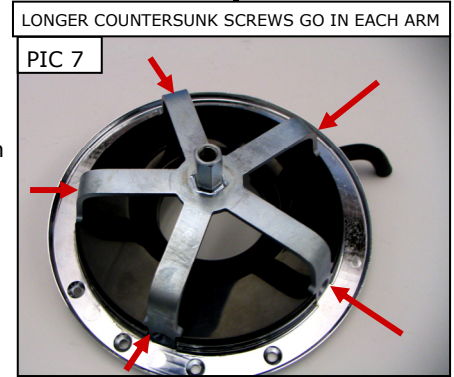
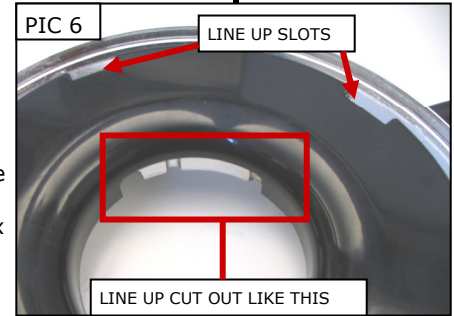
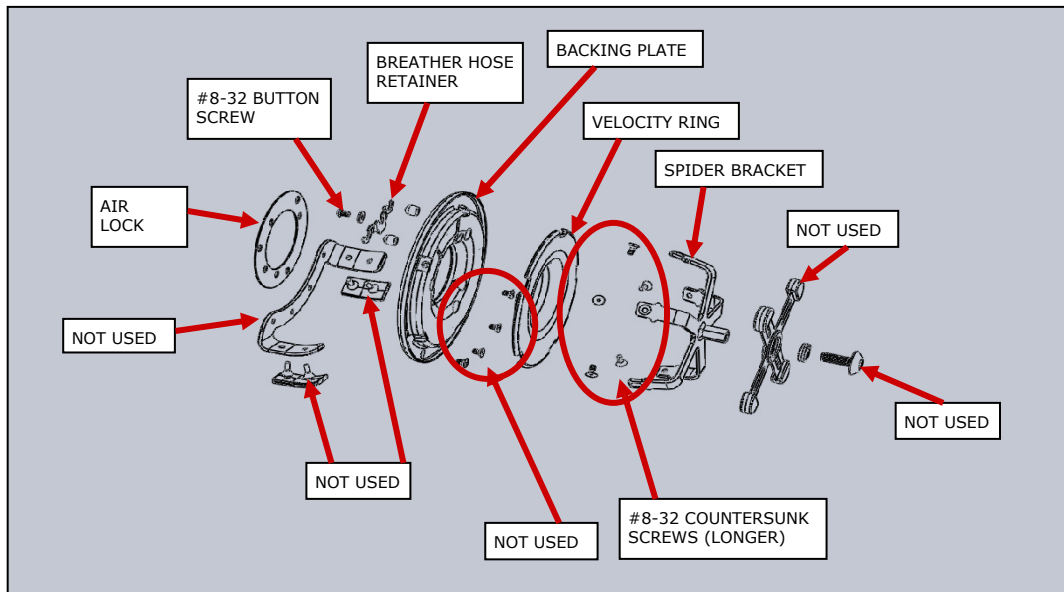
**Check all hose connections and tighten all hardware. Rotate the throttle open and make sure it returns correctly before starting the motorcycle.**

### NOTICE

Some of our high performance air cleaners extend beyond the stock/OEM unit to achieve smoother air flow and better performance. Riding position may be affected, so it is important to familiarize yourself with the new riding position.

### 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.



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*Ride On!*

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**INSTALLATION**