



## BLACK VELOCIRAPTOR AIR CLEANER KIT

### 9879

THANK YOU FOR CHOOSING KÜRYAKYN!

**PROTECT YOURSELF AND OTHERS FROM POSSIBLE INJURY AND/OR 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.

### MAKE SURE THE FOLLOWING PARTS HAVE BEEN INCLUDED IN THE KIT:

- 1 Black Velociraptor Air Cleaner Assembly
- 1 Round Air Filter
- 1 Carb Support Bracket
- 1 Crankcase Breather Kit Containing:
  - 1 Gasket with Adhesive
  - 2 Gaskets
  - 4 Bracket Shim Washers
  - 1 Aluminum Adapter Ring
  - 2 Straight Hose Fitting — **ONLY ONE IS NEEDED**
  - 1 90 Degree Hose Fitting
  - 4 Cable Ties
  - 3 1/4"-20 X 1-1/2" Socket Head Cap Screws
  - 1 16" Hose-**NOT USED**
  - 1 Tee fitting-**NOT USED**
- 2 Breather Bolts
- 2 Breather Hoses
- 1 Installation Instructions

### TOOLS SUGGESTED

Set of Hex Wrenches, Set of Combination Wrenches, Side Cutter, Loctite 242 or equivalent thread-locker

### 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.**

### 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. Allow the engine and exhaust system to cool.

### 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.**

### CUSTOMER SERVICE

877.370.3604 (toll free)

### INSTALLATION QUESTIONS

techsupport@kuryakyn.com  
or call 715.247.2983

### LIMITED WARRANTY

Kuryakyn warrants that any Kuryakyn 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:

- 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).
  - The product must be properly installed, maintained and operated under normal conditions.
  - Kuryakyn makes no warranty, expressed or implied, with respect to any gold plated products.
  - Kuryakyn shall not be liable for any consequential and incidental damages, including labor and 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 and a customer.
- 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.
- 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 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.
- Kuryakyn makes no warranty of any kind in regard to other manufacturer's products distributed by Kuryakyn. Kuryakyn 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 Kuryakyn® products, you can receive a complete catalog free of charge. Send the Proof-of-Purchase below with your address to: Kuryakyn, 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 Kuryakyn® products, the motorcycle parts and accessories designed for riders by riders.

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Working around sharp cylinder-head fins exposes your hands to injury. Wear protective gloves to prevent serious 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.

Pictures show a Delphi fuel injection throttle body. Installation procedure on carbureted models will be the same.

**STEP 2** Refer to **PIC 1**. Remove the existing air cleaner so that the intake is completely exposed.

**NOTICE**

Apply Loctite 242 or equivalent thread locker (sold separately) to the Breather Bolts. Follow the manufacturer's recommendation for proper preparation and application.

**STEP 3** Refer to **PIC 1**. Locate the included Gasket with Adhesive; remove the adhesive backing, align the holes, and apply the Gasket to the intake flange.

**STEP 4** Refer to **PIC 2**. Locate the Carb Support Bracket.

**NOTE:** With the Bracket flat against the intake, check for gaps between the Support Bracket and heads. If there is a gap, push the carb inward. On Delphi models or if the carb is fully seated use the included Bracket Shim Washers between the bracket and heads to take up any gap. Do NOT fully tighten the breather bolts if a gap is present, damage may occur.

Secure the Bracket to the heads using the included Breather Bolts. Center the slots in the Bracket over the holes in the intake, then tighten the Breather Bolts.

**STEP 5** Refer to **PIC 3 and 4**. Thread one of the included Straight Hose fittings into the left-side (rear) of the Aluminum Adapter Ring.

Thread the included 90 Degree Hose Fitting into the right-side (front) of the Ring; it will face inward.

**STEP 6** Refer to **PIC 3 and 4**. Install the provided Breather Hoses on the Hose Fittings in the Adapter Ring.

Test fit the assembly on the intake; connect the open ends of the Hoses to the Breather Bolts installed in **STEP 4**.

**NOTE:** It may be necessary to trim the Hoses to length to get the best fit. Make sure that the hoses are not pinched or kinked. Ensure that the hoses do not interfere with proper throttle operation before continuing. Secure the hoses with the included Cable Ties.

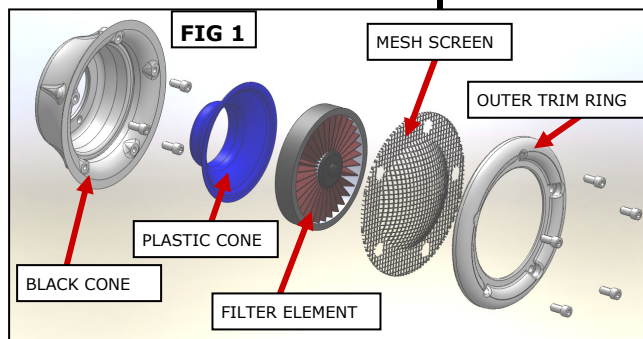
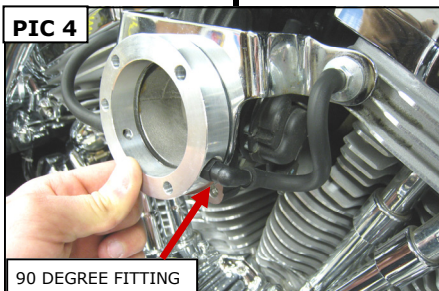
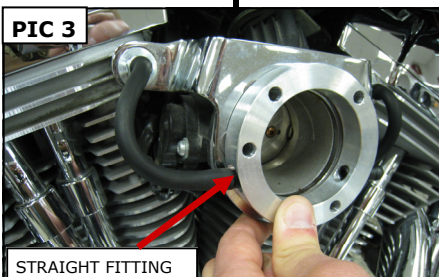
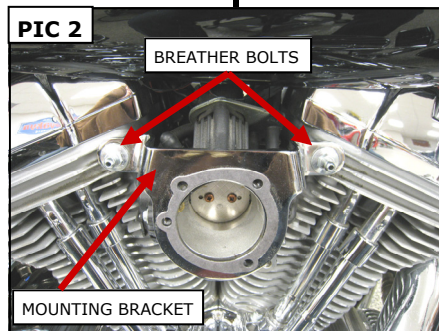
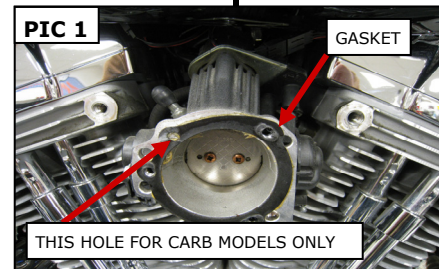
**STEP 7** Refer to **FIG 1**. Completely disassemble the included Velociraptor Assembly. Note that it will be reassembled in reverse order.

**STEP 8** Refer to **FIG 1**. Locate the Black Cone. Insert the three included 1/4"-20 X 1-1/2" Socket Head Cap Screws through the Black Cone.

Refer to **PIC 1**. DO NOT place a bolt through the hole at the 10-o'clock position, it is the float bowl vent-hole.

**STEP 9** Align the holes and place one of the included Gaskets over the three mounting screws now protruding from the back of the Black Cone.

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**STEP 10**

Place the Adapter Ring over the three screws, then the other included Gasket, align it with the Bracket and begin the three screws in their threads.

Leave the screws loose until all three have been started in their threads, then tighten them.

DO NOT OVERTIGHTEN THE SCREWS

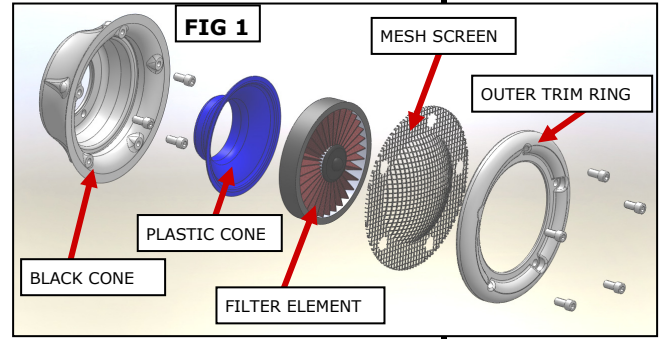
**STEP 11**

Refer to **FIG 1**. Snap the Plastic Cone into place in the Black Cone. Ensure it is secure before continuing with the installation.

**STEP 12**

Refer to **FIG 1**. Place the Filter Element over the Plastic Cone; secure it with the Mesh Screen and the Outer Trim Ring.

Align the holes in the Mesh, Outer Trim Ring, and Black Cone; secure the assembly with the five included 1/4"-20 x 1/2" Socket Head Cap Screws.



**STEP 13**

**Double check the tightness of all fasteners, check for hose clearance and check the throttle for proper operation, making sure it returns properly, before starting bike.**

**WARNING**

**ROTATE THROTTLE AND CHECK THAT IT MOVES FREELY AND RETURNS TO CLOSED BEFORE STARTING BIKE. FAILURE OF THE THROTTLE TO RETURN COULD RESULT IN LOSS OF CONTROL CAUSING SERIOUS INJURY OR DEATH.**

**NOTICE**

**It is the end user'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 or damaged due to improper installation or lack of maintenance. Periodic inspection and maintenance are required on all fasteners.**

**NOTICE**

**Some high performance air cleaners extend beyond the OEM unit to achieve smoother air flow and better performance. Riding position may be affected. It is important to familiarize yourself with the new riding position before operating the motorcycle.**