



# INSTALLATION

## BLACK HYPERCHARGER KIT

## 9994

### PARTS INCLUDED

- 1 Black Hypercharger Assembly with Black Blood Groove Trap Door and Black Butterflies
- 1 K&N Filter
- 1 Plastic Dual Velocity Ring
- 1 Hypercharger Mounting Bracket
- 1 Breather Hardware Kit, including:
  - 2 1-3/4" Breather Bolts
  - 2 Breather Hoses
  - 4 Shim Washers
- 1 Twin Cam Adapter Kit Including:
  - 1 5/8" Twin Cam Breather Adapter
  - 1 90 Degree Elbow
  - 2 Black Nylon Fitting for 3/16" Hose or Tubing
  - 1 16" Vacuum Hose
  - 1 T-Fitting
  - 3 1/4"-20 X 1-1/2" Socket Head Cap Screws
  - 1 Gasket with Adhesive
  - 2 Gasket
  - 4 4" Cable Tie
- 1 Vacuum Adapter Kit Including:
  - 1 Vacuum Adapter
  - 1 Black Nylon Fitting for 3/16" Hose
  - 2 Spacers
  - 1 Vacuum Adapter Gasket
  - 2 M4 x .7 X 30mm Socket Head Cap Screws
- 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 ATTENTION NOTES 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.

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

**CAUTION!** This indication alerts you to the fact that ignoring the contents described herein can result in potential injury or material damage.

### TOOLS SUGGESTED

Set of Hex Wrenches, Set of Combination Wrenches, Socket Set and Ratchet, Needle Nose Pliers, Diagonal Cutters, Long 3mm Hex Socket, Long T-20 Torx Socket, and Torque Wrench.

**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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**NOTE: Pictures are of chrome parts. Black parts installation will be the same.**

**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.

**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.

**CAUTION!** The installation of any high performance air cleaner system can cause a "lean" fuel/air mixture. A "lean" fuel/air mixture can cause engine overheating resulting in severe engine damage. Küryakyn recommends having fuel injected bikes 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.

**ATTENTION!** A factory service manual is necessary for performing this installation. Do not attempt to perform this installation if you are not confident in your ability to complete all steps in the procedure; consult a trained technician.

**ATTENTION!** 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.

**STEP 2** Remove the stock air cleaner assembly, mounting hardware, and breather hoses.

**STEP 3** Remove the stock horn; remove the upper and lower induction module mounting screws and the throttle body from the intake manifold. FIG.1.

**STEP 4** Test fit the vacuum adapter; ideally, the adapter should be installed so that the vacuum fitting points up, towards the rear of the bike. If this is not possible, it is acceptable for the fitting to point down, towards the front of the bike.

**STEP 5** Apply the adhesive gasket to the vacuum adapter. **IMPORTANT! Be sure to apply the gasket to the side of the adapter with the shallow-beveled bolt holes; NOT the side with the countersunk bevels.**

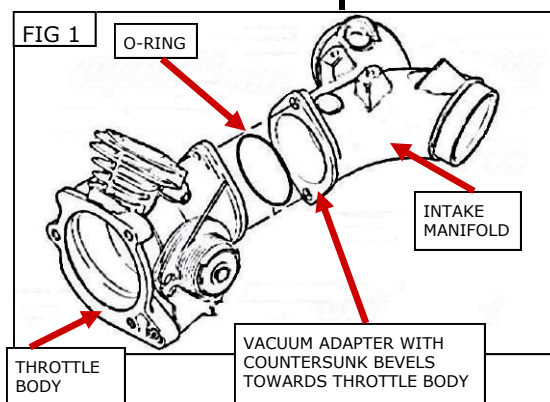
**STEP 6** Wet the vacuum fitting then slide the vacuum hose over the fitting.

**STEP 7** Install the gasket side of the adapter to the intake manifold. You may find it helpful to insert the top fastener through the intake manifold, then "hang" the adapter on this fastener.

**STEP 8** Check that the stock o-ring is in place between the induction module and the vacuum adapter, then start both fasteners and alternately tighten the fasteners to 7-33 inch pounds of torque.

**STEP 9** Remove the backing from the included adhesive backed gasket and attach it to the mouth of the throttle body, lining up the holes. Place the chrome support bracket across the mouth of the throttle body and loosely attach it to each head with the included breather bolts. Make sure all three mounting holes and the float bowl vent hole (10-o'clock position) are centered in the corresponding slots in the support bracket.

**NOTE: Be sure the support bracket contacts each head when it is in place across the front of the throttle body. If there is a gap between the heads and the support bracket, use the included shim washers to eliminate this gap. Tightening the breather bolts when a gap is present here will likely result in a broken bracket within a short period of time.**



**CAUTION!** Be sure the support bracket is fully seated against the heads and that there is no gap, use the supplied shims as needed. A gap will result in a broken support bracket.

**STEP 10** When you have the support bracket properly fit, tighten the breather bolts securely.

**STEP 11** Assemble the breather by attaching the 90 degree elbow to the front port. This is the hole on the side of the adapter that will face the front of the bike. PIC 1. Tip this elbow slightly upward and towards the motor. Attach one of the straight nipple fittings to the rear port on the adapter.

**STEP 12** Trim 1/4" from each end of **ONE** of the included breather hoses PIC 2. Install this hose between the front head and the 90° fitting on the breather adapter. PIC 3

**STEP 13** Install the remaining breather hose between the rear breather bolt and the straight barbed fitting on the breather adapter. Secure the ends of the two hoses with the supplied cable ties; trim the cable tie ends. See PIC. 3

**STEP 14** Remove the trap door from the front of the Hypercharger; remove the four #10-24 x 3/8" fasteners securing the trap door. Set these components aside for now.

**STEP 15** Insert the three 1/4"-20 X 1-5/8" socket head cap screws through the mounting holes in the Hypercharger back from the inside. Place one of the included non-adhesive backed gaskets over the three mounting screws now protruding from the back of the Hypercharger. **DO NOT** place a bolt through the float bowl vent hole - this hole is the one in the 10-o'clock position.

**STEP 16** While holding a gasket in place between the breather adapter and support bracket **at this time you should have three gaskets installed, one directly behind the Hypercharger back plate, one between the breather adapter / support bracket and one between the support bracket / throttle body**-secure the assembly to the throttle body. **DO NOT** over tighten the fasteners; the aluminum will strip easily.

**STEP 17** Position the black plastic Dual Velocity ring into position over the bolts attaching the Hypercharger to the throttle body so that the hole lines up with the empty float bowl vent hole located at the 10 o'clock position PIC 4. (Front of Hypercharger removed for clarity.) This will snap into place. Install the air filter.

**STEP 18** Connect the free end of the vacuum hose to the Hypercharger; be sure to route the hose away from any pinch points.

**STEP 19** Replace the trap door of the Hypercharger in reverse manner as it was removed in STEP 14.

**STEP 20** **Double check the tightness of all related fasteners, check for hose clearance and check throttle for correct operation, making sure it returns properly, before starting bike.**

**ATTENTION!** It is the installer's responsibility to ensure that all of the fasteners(including pre-assembled) are tightened before operation of the motorcycle. Küryakyn will not issue a warranty on components lost due to improper installation. Periodic maintenance may be required.

