



# INSTALLATION

## SKULL AIR FILTER KIT

9946

### PARTS INCLUDED

- 1 Skull Head Air Cleaner Assembly
- 1 Mounting & Hardware Kit for Skull Air Cleaner Including:
  - 3 1/4"-20 x 1" Button Head Cap Screws (BSCS)
  - 3 1/4"-20 x 3/4" Shoulder Head Cap Screws (SHCS)
  - 3 1/4" Clear Plastic Washers
  - 1 Plastic Dual Velocity Ring
- 1 Plug & Elbow Kit For Skull Air Cleaner Including:
  - 2 90 Degree Barbed Fittings
  - 2 1/8" NPT x 9mm Threaded Plugs
  - 1 K&N Filter for Skull Air Cleaner
- 1 Adapter/Breather Kit Including:
  - 2 90 Degree Barbed Fittings **(NOT USED)**
  - 1 5/32" x 16" Rubber Hose **(NOT USED)**
  - 6 4" Cable Ties
  - 3 1/4"-20 x 5/8" Socket Head Cap Screws (SHCS)
  - 3 1/4"-20 x 7/8" Socket Head Cap Screws (SHCS)
  - 1 Adapter For '08 FL Air Cleaner
  - 1 O-Ring
  - 1 Gasket With Adhesive
  - 2 O.E. Style Twin Cam Breather Hose
  - 2 O.E. Style Twin Cam Breather Bolts
- 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.**



**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, Set of Hex Sockets

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

### 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.

### 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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**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.**



**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.**

**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**

**Proper tuning is important. We recommend 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. Lean conditions and/or retarded ignition timing will cause high exhaust temperatures and discolor chrome exhaust.**

**STEP 2**

Remove the stock air cleaner assembly. Refer to your service manual for model specific instructions.

**STEP 3**

Remove the two OEM bolts that secure the EFI support bracket and install the O.E. style breather bolts from the hardware kit and tighten them.

**STEP 4**

On the backside of the new backing plate, install the two 1/8" threaded plugs into the holes. PIC 1

**STEP 5**

Install the 90-degree barbed fittings into the breather adapter so that they face towards the engine at a slight angle. PIC 2

**STEP 6**

Install the included O-Ring in the groove on the backside of the breather adapter as shown in PIC 2.

**STEP 7**

Place the breather adapter on the fuel induction module, so that the O-Ring is facing the fuel module and the 90-degree fittings are in the upright position as shown in PIC 4. Secure using three 1/4-20 x 7/8" SHCS screws.

**STEP 8**

Modify one (1) of the supplied breather hoses by removing 1/4" from each end of the hose as shown in PIC 3.

**STEP 9**

Install the modified hose between the rear breather bolt and the rear 90-degree barbed fitting. Install the unmodified breather hose between the front breather bolt and the front 90-degree barbed fitting. Secure the ends of both hoses with the supplied cable ties; snip the excess ends of the cables ties after installation. PIC 4

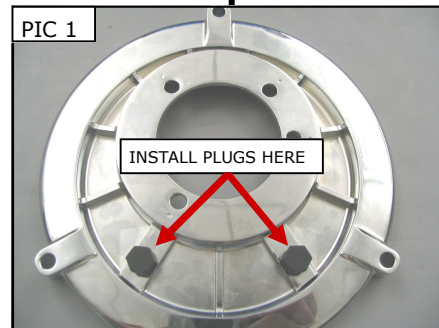
**STEP 10**

Insert the 1/4-20 x 5/8" SHCS screws through the correct mounting holes from the front of the backing plate shown in PIC 5.

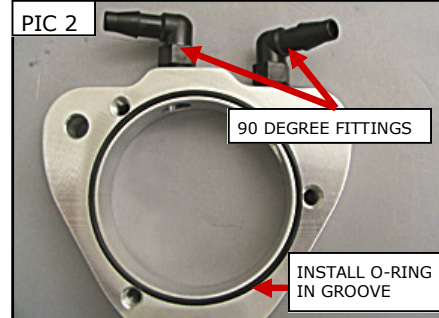
**STEP 11**

Remove the backing from the adhesive gasket; referring to FIG 1, install the gasket on the front of the breather adapter.

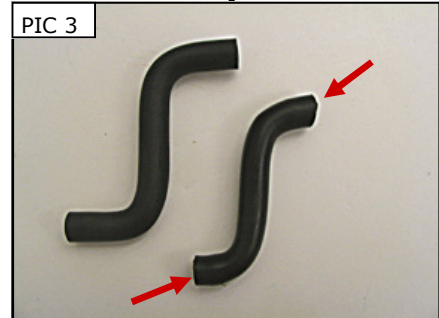
PIC 1



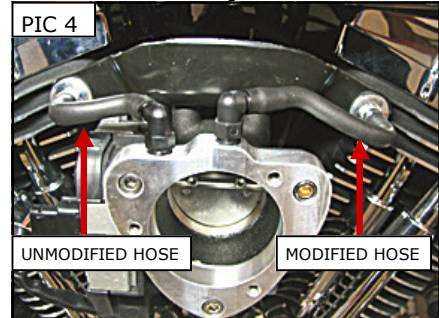
PIC 2



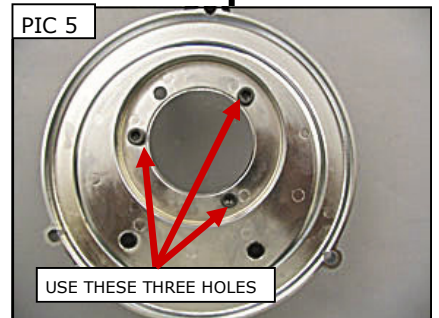
PIC 3



PIC 4



PIC 5



**STEP 12** Place the backing plate from the previous step onto the breather adapter and tighten the fasteners.

**STEP 13** Snap the dual velocity ring into place with the hole in the 10 o'clock position as shown in PIC 6.

**STEP 14** You now can place the air cleaner into place and secure with the filter cage. Insert the three supplied 1/4"-20 x 1" Button Socket Head Cap Screws in from the back side of the back plate into the filter cage and tighten. Place the Skull cover in place and install the three supplied 1/4"-20 x 3/4" Socket Head Cap Screws with plastic washers. Torque to 25 inch pounds. **DO NOT OVER-TIGHTEN!** Recheck these periodically. FIG 1

**STEP 15** **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.**

**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 installer's responsibility to ensure that all of the fasteners (including pre-assembled) are tightened before operation of the motorcycle. Küryakyn 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.

