



## CORSAIR AIR CLEANER

## 9861

**FITS: '93-'99 EVOLUTION BIG TWINS WITH CV CARB. AND '99-UP TWIN CAM WITH CV CARB. OR DELPHI FUEL INJECTION**

### PARTS INCLUDED

- 1 Corsair Air Cleaner Assembly
- 1 Corsair Fixture Ring Kit, including:
  - 1 Corsair Fixture Ring
  - 4 1/4-20 x 1/2 Socket Head Cap Screw (SHCS)
- 1 Mini Filter Kit, including:
  - 1 Mini Filter
  - 1 1/2" Chrome Barbed Hose Fitting
  - 2 3/4" Plated Hose Clamp
  - 1 1/2" ID Hose 36" long
  - 4 Black Cable Tie
- 1 Bluegrass Breather Kit, including:
  - 6 .600 x .875 x .040 Spacer
  - 1 5/16" ID Hose 34" long
  - 4 1/2" Clamp
  - 1 "Y" Fitting
  - 2 1/2-13 Breather Bolt
  - 2 3/8-16 Breather Bolt
  - 2 Banjo Elbow
  - 2 Anti-Seize packet
- 1 Support Bracket Kit, including:
  - 1 Chrome Support Bracket
  - 4 .391 x .798 x .030 Aluminum Spacer
  - 4 .551 x .866 x .078 Aluminum Spacer
- 1 Gasket Kit, including:
  - 1 Plain Gasket
  - 1 Adhesive Gasket
  - 3 1/4-20 x 5/8 Socket Head Cap Screw (SHCS)
  - 1 Barbed Elbow Fitting
  - 1 Chrome 1/8 Nipple
  - 1 Chrome Elbow Fitting
- 1 Installation Instructions

*Not all of the included parts will be used during this installation. Take a minute to familiarize yourself with each of the kits and their contents before installation.*

*Please read and understand entire instructions before starting installation. The following instructions describe installation of the Corsair Air Cleaner on both fuel injected and carbureted engines. Any differences in installation will be noted.*

### THANK YOU FOR CHOOSING KÜRYAKYN!

**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.**

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### 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. Components of Kuryakyn products containing L.E.D.s will be warranted for defects in materials and workmanship for 3 years from the date of purchase.
- 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

You'll find all our innovations for H-D, GL and Metric Cruisers in our annual catalogs. Order online today—select the "CATALOGS" icon. Each Kuryakyn product comes with a Proof-of-Purchase good for a complimentary catalog. Details in packaging.

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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**CAUTION!** The installation of any high performance air cleaner and/or exhaust system can cause a "lean" fuel/air mixture. A "lean" fuel/air mixture can cause engine overheating resulting in severe engine damage. It is highly recommended to install a programmable fuel injection module, such as Kuryakyn part number 9218, to regulate the fuel/air mixture. Kuryakyn recommends having the motorcycle tuned by a competent technician.

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

**ATTENTION!** 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 steps in the procedure; consult a trained technician.

**NOTE** Installation of this air cleaner may decrease rider legroom. Please refer to the dimensions provided in our catalog and determine if you feel the installation will adversely affect safe and comfortable operation of your motorcycle before making your purchase or beginning installation. This is especially important for riders with shorter legs.

### TOOLS SUGGESTED

Set of hex wrenches, socket set with ratchet, needle nose pliers, heavy-duty snips or diagonal pliers, WD-40 or equivalent.

### PROCEDURE

**STEP 1** Park the motorcycle on a hard, level surface; turn off the ignition and allow the engine to cool.

**STEP 2** Remove the entire stock air cleaner assembly; it will not be re-used. Refer to your model owner's manual for specific instruction. See [PIC.1A](#) and [PIC.1B](#).

**NOTE** 2007 models only - Disconnect the active intake connector from the backside of the air cleaner backplate before removal.

**STEP 3** Find a suitable area to stow the mini filter. Suggested locations include the space between the induction module/carburetor and the underside of the gas tank or behind the horn assembly on the left side of the bike.

**STEP 4** Locate the Mini Filter Kit and the Bluegrass Breather Kit. Attach the mini filter to the "Y" fitting (included in the Bluegrass Breather Kit) as shown in [PIC.2](#); secure the mini filter with the clamp from the Mini Filter Kit.

**STEP 5** Cut the 5/16 ID hose (included with the Bluegrass Breather Kit) in half.

**STEP 6** Attach both hose lengths to the "Y" fitting and secure them with two of the clamps included in the Bluegrass Breather Kit. See [PIC.2](#). A shot of WD-40 on the ends of the "Y" will ease installation.

**STEP 7** Position the mini filter assembly in the desired location; route the two hoses toward the crankcase breather holes in the cylinder head. See [PIC.3](#).

**CAUTION** Ensure that the hoses are routed away from any moving parts, cables, pinch points or extreme heat.

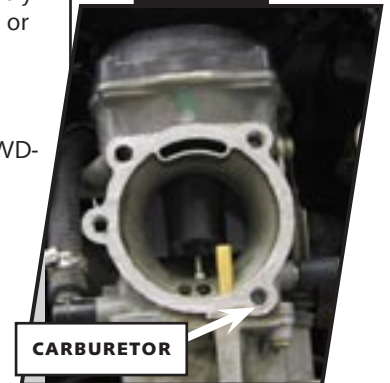
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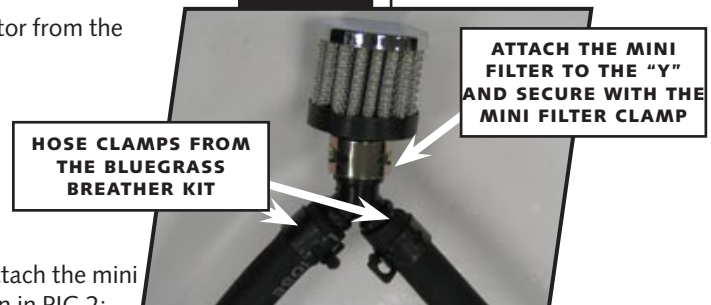
PIC.1A



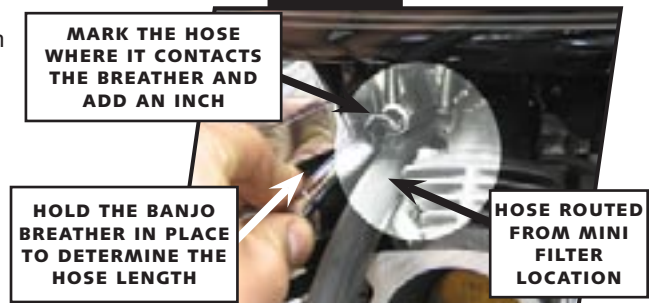
PIC.1B



PIC.2



PIC.3



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CORSAIR AIR CLEANER INSTALLATION

**STEP 8** Hold a banjo breather from the Bluegrass Breather Kit against the crankcase breather hole in the cylinder head as shown in [PIC.3](#).

**STEP 9** Hold the hose against the banjo breather, note where the hose contacts the breather, add an extra inch, and make a mark on the hose.

**STEP 10** Cut the hose at the mark with your diagonal pliers or snips.

**STEP 11** Repeat STEP 8 through STEP 10 for the other side.

**STEP 12** Install the other two hose clamps from the Bluegrass Breather Kit onto the ends of the hoses.

**STEP 13** Push the two banjo breathers into the hoses; a shot of WD-40 on the ends of the breathers will ease installation.

**STEP 14** Clamp the banjo breathers onto the hoses with the hose clamps from STEP 12. Let the banjo breathers hang for now.

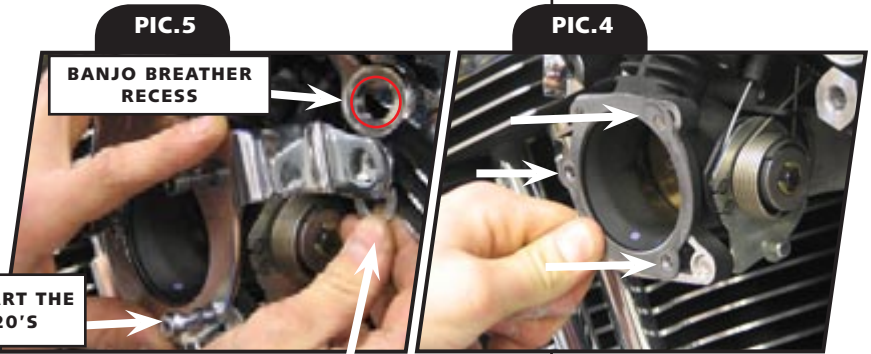
**STEP 15** Locate the Gasket Kit. Position the plain gasket against the induction module/carburetor; align the three holes. See [PIC.4](#).

**STEP 16** Hold the gasket in place and "hang" the support bracket on the induction module/carburetor by partially starting the three 1/4-20 x 5/8 Socket Head Cap Screws from the Gasket Kit. See [PIC.5](#).

**STEP 17** Push the bracket against the gasket and the induction module/carburetor and ensure that there are no gaps between the bracket and the heads; use the spacers included in the Support Bracket Kit to achieve proper fit. See [PIC.5](#). Set the spacers aside for now.

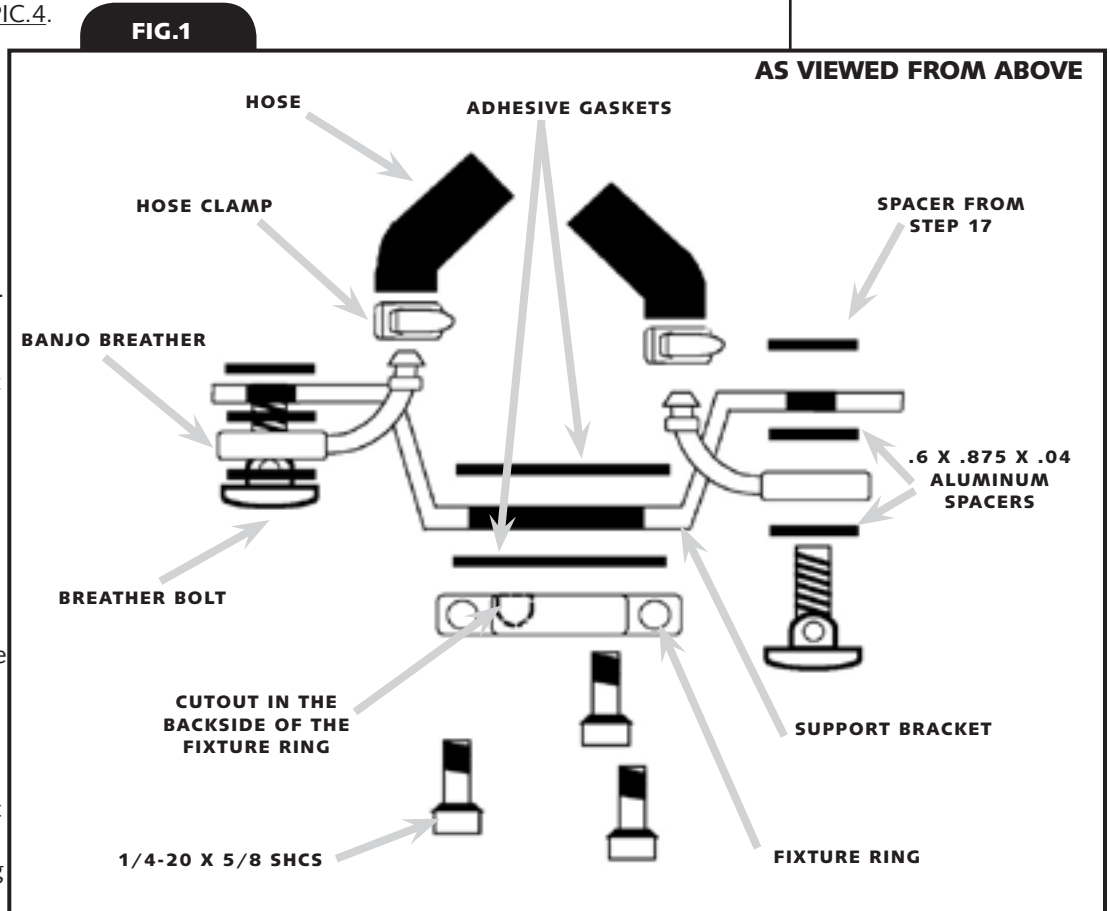
**STEP 18** Place a .6 x .875 x .04 aluminum spacer onto a 3/8-16 breather bolt (Twin Cam) or a 1/2-13 breather bolt (Evolution Big Twin); insert the breather bolt through a banjo breather.

**STEP 19** Place another .6 x .875 x .04 aluminum spacer onto to the protruding end of the breather bolt; ensure that the spacers locate in the banjo breather recesses. See [FIG.1](#) and [PIC.5](#).



JUST START THE 1/4-20'S

USE SPACERS TO FILL ANY GAP BETWEEN THE BRACKET AND HEAD.



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**STEP 20** Holding the spacer from STEP 17 in place, begin to thread the breather bolt into the cylinder head.

**NOTE** Put a few drops of the included anti-seize (in the Bluegrass Breather Kit) onto the threads of the breather bolts.

**STEP 21** Repeat STEP 18 through STEP 20 for the other side.

**STEP 22** Finger-tighten the two breather bolts for now.

**NOTE** Ensure that the spacers locate in the banjo bolt recesses as the breather bolts are being finger-tightened.



**STEP 23** Temporarily remove the 1/4-20 x 5/8 SHCS from the support bracket.

**STEP 24** Locate the Fixture Ring Kit. Remove the backing from the adhesive gasket and install onto the backside of the fixture ring. See [PIC.6](#).

**STEP 25** Hold the fixture ring against the support bracket and secure it with the three 1/4-20 x 5/8 SHCS. Fully tighten the screws.

**STEP 26** Tighten the breather bolts; ensure that the spacers locate in the banjo bolt recesses as the breather bolts are tightened.

**STEP 27** Hold the Corsair Air Cleaner assembly against the fixture ring and install the four 1/4-20 x 1/2 SHCS (from the Fixture Ring Kit) as shown in [PIC.7](#). Finger tighten the screws until all have been installed, then tighten.

**NOTE 2007 MODELS ONLY** — Secure the active intake connector away from moving parts, pinch points and extreme heat with zip ties.

**STEP 28** Ensure that all fasteners are tight and that no hoses, filters or clamps interfere with the operation of the motorcycle before riding the motorcycle.



*Ride On!*