



## CORSAIR AIR CLEANER 9866

### FOR VTX 1300

FITS: '03-UP VTX 1300

PART #	INCLUDED
909860	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)
909861	1 Gasket/Fitting Kit for Corsair Including: 2 Gaskets with Adhesive 1 90° Barbed Fitting 1 1/8 NPT Nipple 1 1/8 NPT 90° Chrome Elbow
909431K	3 1/4-20 x 5/8" Socket Head Cap Screw (SHCS) 1 Adapter Hardware Kit Including: 1 Carb Manifold 1 Main Support Bracket 1 Idle Cable Bracket 1 26° Cylinder Bracket 1 26° Rear Cylinder Bracket 1 Carb Top/Inner Cup/90 2 1/4-20 x 3/8" Hex Head Cap Screw (HHCS) 1 Manifold Gasket 2 1/4-20 Low Crown Acorn Nut 2 1/4 Split Lock Washer 3 M5 x.8 x 16mm Hex Head Cap Screw (HHCS) 3 M5 Split Lock Washer 1 M6 Aluminum Bolt Cap 1 M6 x 1.0 x 30mm Socket Head Cap Screw (SHCS) 3 1/4-20 x 1/2" Socket Head Cap Screws (SHCS) 1 5/16" Wire Clamp 1 7/16" Wire Clamp 1 Black or Gray Vinyl Cap 1 Gasket with Adhesive 2 90° Barbed Fitting 1 3-Way Barbed Tee 1 5/32" x 12" rubber Hose
609431JK	1 Jet Kit for VTX 1300 Including: 1 #65 Pilot Jet 1 #185 Main Jet 1 5/16" id x 16" Hose 2 8" Cable Ties 1 Installation Instructions

**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 non-conforming 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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\*Replacement components are available online or through the catalog.

Please read and understand entire instructions before starting installation.

**THANK YOU FOR CHOOSING KÜRYAKYN!**

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**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.**

**Küryakyn®**

**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.

## **TOOLS SUGGESTED**

Set of standard and metric hex wrenches, set of standard and metric open-end wrenches, pliers and short Phillips screwdriver.

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

## **DISCLAIMER - PLEASE READ BEFORE PROCEEDING:**

Any modifications to a motorcycle's exhaust or intake tract require carburetor re-jetting to achieve maximum performance and maintain drivability. If you are uncomfortable with the process of tuning your carburetor, we recommend that you bring your motorcycle to a qualified motorcycle mechanic to have this kit installed. The jets included in this kit were selected based on test results with various combinations of components that we felt would represent the majority of the customers purchasing this kit (see Addendum I). However, no two motorcycles are exactly alike. Depending on the individual case, additional jets may need to be purchased from an outside source. Küryakyn warrants the parts included in this kit to be free of defects in materials and workmanship, but makes no claim whatsoever in regard to costs associated with installation or tuning.

**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 of the steps in the procedure; consult a trained technician.

## **PROCEDURE**

**STEP 1** Read and understand all steps in the instructions before starting the installation. Park the motorcycle on a hard, level surface; turn off the ignition and allow the engine 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.

**STEP 2** Remove the seat and rear-mounting bolt on the fuel tank.

**STEP 3** Prop up the rear of the tank; a small block of wood works well.

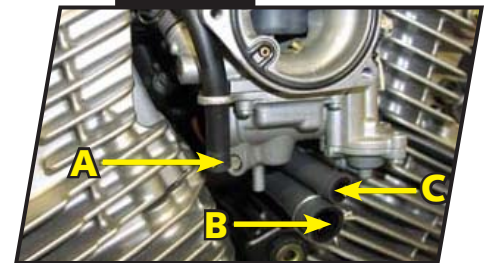
**STEP 4** Remove your stock air cleaner and spark plug covers. You may want to ask a friend to hold and lift the tank slightly as you work the air box out from beneath, slide it toward the rear of the bike and then out.

**STEP 5** Remove the two hoses that are connected to the back of the air box. Take note of the three hoses marked as **A**, **B**, and **C** in [PIC.1](#). The hose marked as **A** should be removed from the carb. The hose marked as **B** should be capped off using the included gray vinyl cap and the hose marked as **C** should be routed up behind and over the top front side of the carb. See [PIC. 2](#).

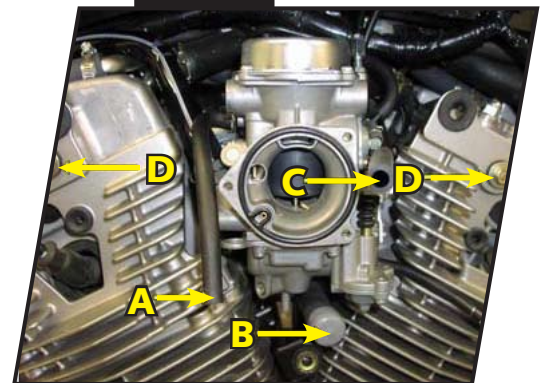
**STEP 6** Remove and set aside the two bolts marked as **D** in [PIC. 2](#). They will be reused.

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**PIC. 1**



**PIC. 2**



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**STEP 7** Re-jet carburetor. Refer to factory service manual for disassembly procedure and to Addendum I for baseline recommendations.

**STEP 8** Insert the two supplied 1/4"-20 X 3/8" Hex Head Cap Screws through each side of the 90-Degree top bracket on the Chrome Carburetor Top/Inner Cup, through the Front and Rear 26 Degree Cylinder Brackets and fasten with the supplied 1/4" Chrome Split Lock Washers and Acorn Nuts. See [PIC. 3](#).

**STEP 9** Take note of the raised boss near the front, right screw on the stock carburetor top; the new Chrome Carburetor Top/Inner Cup also has this raised boss and **MUST** be installed in the same orientation. While holding the stock carburetor top in place against the tension of the slide spring, carefully remove the four Phillips screws securing it to the carburetor. Set the screws aside and slowly remove the stock carburetor top allowing the slide spring extend out of the carburetor body. Leave the slide spring in place and be careful not to disturb the slide diaphragm.

**STEP 10** Using the stock fasteners, carefully install the new Chrome Carburetor Top/Inner Cup. Make sure the slide spring is centered in the new top, the slide diaphragm is in place in the carburetor body, and that the raised boss is in the correct orientation as noted in Step 8. See [PIC. 4](#).

**STEP 11** Securely attach the 26 Degree Cylinder Brackets to the cylinder heads using the stock fasteners removed in STEP 5. Tighten the fasteners securing the 26-Degree Cylinder Brackets to the Chrome Carburetor Top/Inner Cup now as well.

**STEP 12** Loosely mount the Main Support Bracket. Install the supplied M6 X 1.0 X 30MM Socket Head Cap Screw and the Chromed, Tapered Bolt Cap at the bottom of the bracket. With the supplied gasket on the outside of the bracket, start an M5 X .80 X 16MM Hex Head Cap Screw with an M6 Split Lock Washer in the lower right air cleaner mounting hole. See [PIC. 5](#).

**STEP 13** Thread one of the supplied 90-Degree Elbows into the threaded hole on the side of the Carburetor Manifold included in the kit. Put the Carburetor Manifold in place, slipping the slotted mounting hole into position on the fastener you installed in the previous step. Install M5 X .8 X 16MM Hex Head Cap Screws with M5 Split Lock Washers in the remaining two mounting holes. Once all fasteners are in place, tighten them all securely. Connect hose **C** from Step 5 to the 90-Degree Elbow with the supplied 7/16" Spring Wire Clamp. See [PIC. 6](#).

**STEP 14** Remove the backing from the adhesive on the gasket and install onto the end of the Carburetor Manifold, making sure the holes in the gasket line up with the holes in the manifold. See [PIC. 6](#).

**STEP 15** Hold the fixture ring against the end of the manifold and secure it with the three 1/4-20 x 5/8" SHCS screws as shown in [PIC. 7](#).

**STEP 16** Remove the nylon plug in the bottom of the Corsair Assembly and install a 90-Degree barbed fitting.

**STEP 17** Place the Corsair Assembly on the fixture ring and secure using the four 1/4-20 x 1/2" SHCS screws as shown in [PIC. 8](#).

**STEP 18** Install the 5/16" hose on the float bowl vent (where hose **A** was removed from in STEP 5) on the side of the carb (shown in [PIC. 9](#)) and use one of the 8" cable ties to secure it; cut of the excess cable tie.

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**PIC. 3**



**PIC. 4**



**PIC. 5**



**PIC. 6**



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**STEP 19** Route the hose as shown in PIC.10 to the barbed fitting on the bottom of the Corsair assembly.

**STEP 20** Trim the hose so that there isn't any excess hose hanging below the air filter

**STEP 21** Secure the end to the barbed fitting with a 8" cable tie; cut off the excess cable tie. Ensure that there are no kinks in the hose.

**STEP 22** Set the fuel tank back in place and secure with the stock fastener. Reinstall the spark plug covers and put the seat back on.

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

**ATTENTION!** 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 warranty components lost due to improper installation. Periodic maintenance may be required.

### ADDENDUM I

The following recommendations are to be used as a starting point only, but should work well in the majority of situations. Individual bikes may need additional tuning to achieve maximum performance. These baselines were established at 700 feet above sea level.

#### VTX 1300 WITH CORSAIR AIR CLEANER AND STOCK PIPES OR HARD CHROME 2.5" CLASSIC STRAIGHTS

#65 Pilot Jet  
#185 Main Jet  
0.8 Shim under needle

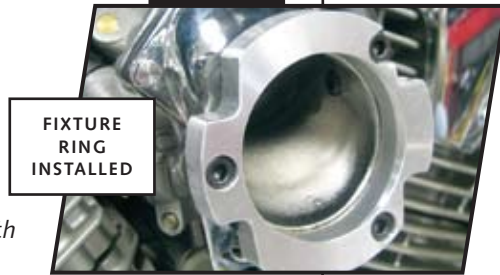
#### VTX 1300 WITH CORSAIR AIR CLEANER WITH STOCK HEADERS AND COBRA SLASH-CUT SLIP-ON MUFFLERS

#65 Pilot Jet  
#185 or #182.5 Main Jet  
0.8 Shim under needle

*Ride On!*

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**PIC. 7**



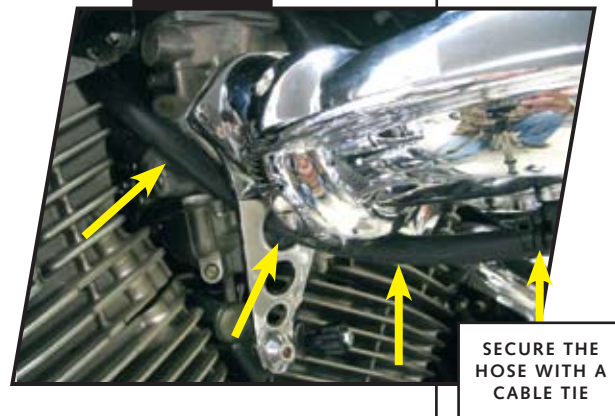
**PIC. 8**



**PIC. 9**



**PIC. 10**



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