



INSTALLATION

PRO R HYPERCHARGER for VTX 1300 9460

PARTS INCLUDED

- 1 Pro-R Hypercharger Assembly Including The Following Items:
- 5 Screws in Plastic Bag Including:
 - 3 1/4"-20 X 1-5/8" Button Socket Cap Screws
 - 2 #6-32 X 3/8" Socket Head Cap Screws
 - 2 #6 Flat Washers—**NOT USED**
- 1 Dual Velocity Ring
- 1 Filter Cage Assembly 3-PC.
- 1 Hyper Filter Round
- 1 Adaptor Hardware Kit Including the Following:
 - 1 Carb Manifold
 - 1 Main Support Bracket
 - 1 Idle Cable Bracket
 - 1 Carb Top/Inner Cup/90 Degree Top Bracket Assembly
 - 1 26 Degree Front Cylinder Bracket
 - 1 26 Degree Rear Cylinder Bracket
 - 1 Black Gasket Fuel Safe for Manifold Bracket
 - 2 1/4"-20 x 3/8" Hex Head Cap Screws Chrome
 - 2 1/4"-20 Low Crown Acorn Nut
 - 2 1/4" Split Lock Washer
 - 3 M5 x .8 x 16mm Hex Head Cap Screws
 - 3 M5 Split Lock Washer
 - 1 M6 Aluminum Tapered Bolt Cap
 - 1 M6 x 1.0 x 30mm Socket Head Cap Screws
 - 3 1/4"-20 x 1/2" Socket Head Cap Screws W/Patch
 - 1 5/16" Spring Steel Wire Clamp
 - 1 7/16" Spring Steel Wire Clamp
 - 1 Grey Vinyl Cap
 - 1 Gasket, Late Style W/Adhesive
 - 2 90 Degree Barbed Fitting – Male 1/8"-27 Threaded
 - 1 3/16" Tee, Barbed Mini 3-Way
 - 1 5/32" Hose 12" Long
- 1 Jet Kit to Include The Following
 - 1 #65 Pilot Jet
 - 1 #185 Main Jet
 - 1 0.8mm Needle Shim
- 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.

9460-22MC-1011

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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. 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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TOOLS SUGGESTED

Set of Metric and Standard Hex Wrenches, Set of Metric Combination Wrenches

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.

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.

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.

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.

CAUTION! The installation of any high performance exhaust system can cause a "lean" fuel/air mixture. A "lean" fuel/air mixture can cause engine overheating resulting in severe engine damage. Küryakyn recommends re-jetting carbureted bikes.

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.

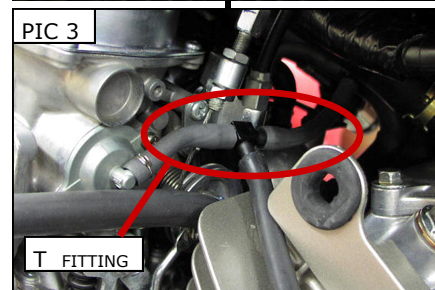
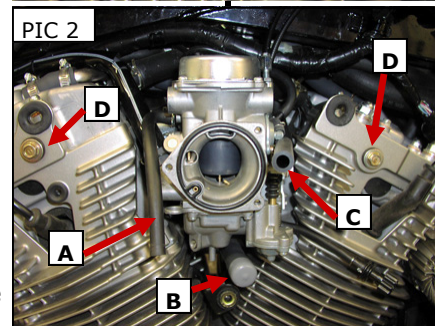
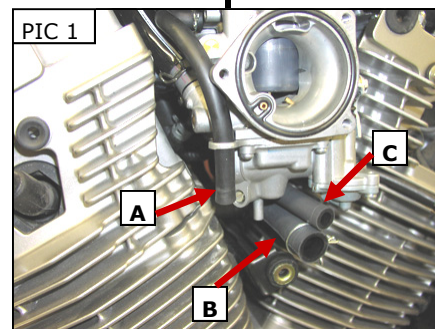
STEP 4 Remove your stock air cleaner and spark plug covers. You may want to ask a friend to hold and lift the tank slightly as you work the air box out from beneath, slide it toward the rear of the bike and then out.

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 taken free of the metal retaining loop on the side of 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. Be careful not to kink the hose.

STEP 6 Remove and set aside the two bolts marked as "D" in PIC.2. They will be reused.

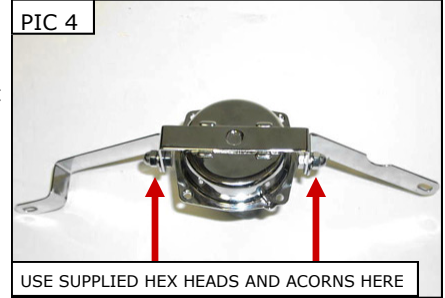
STEP 7 Re-jet carburetor. Refer to factory service manual for disassembly procedure and to Addendum I for baseline jetting recommendations.

STEP 8 Cut the vacuum hose located on the upper right side of the carburetor and install the supplied "T" fitting. Cut a 9-inch length from the vacuum line supplied in the kit and connect it to the open leg of the "T". See PIC.3. The other end of this hose will be connected to the Pro R-Series Hypercharger later.



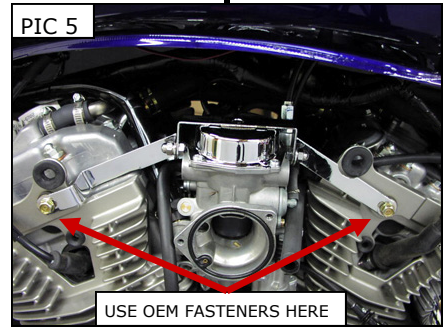
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STEP 9 Insert the two supplied 1/4"-20 x 3/8" Hex Head Cap Screws through each side of the 90-degree top bracket on the Chrome Carburetor Top/Inner Cup, through the Front and Rear 26 Degree Cylinder Brackets and fasten with the supplied 1/4" Chrome Split Lock Washers and Acorn Nuts. Do not tighten the fasteners completely at this time, leave them finger tight. PIC 4



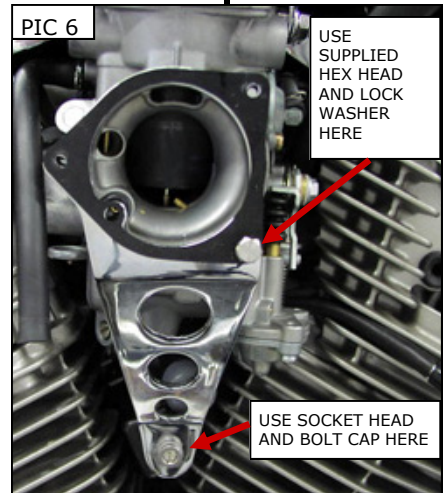
STEP 10 Take note of the raised boss near the front, right screw on the stock carburetor top; the new Chrome Carburetor Top/Inner Cup also has this raised boss and must be installed in the same orientation. While holding the stock carburetor top in place against the tension of the slide spring, carefully 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 11 Using the stock fasteners, carefully install the Chrome Carburetor/Inner Cup - Cylinder Bracket assembly. 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 10. See PIC.5.



STEP 12 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 13 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.6.

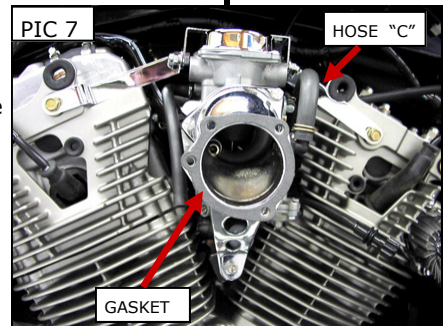


STEP 14 Thread one of the supplied 90-Degree Elbows into the threaded hole on the side of the Carburetor Manifold included in the kit. Put the Carburetor Manifold in place, slipping the slotted mounting hole into position on the fastener you installed in the previous step. Install the M5 x .8 x 16mm 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.7.

STEP 15 Adhere the supplied Adhesive Gasket to the Carburetor Manifold. See PIC.7.

STEP 16 Install the remaining 90 Degree Elbow into the threaded hole on the back of the Pro R Series Hypercharger.

STEP 17 Using the three supplied 1/4"-20 x 1/2" Socket Head Cap Screws, fasten the inner half of the Pro R-Series Hypercharger to the Carburetor Manifold. Snap into place the black plastic Dual Velocity Ring. Install the filter elements and the outer half of the Pro R-Series Hypercharger. Fasten with the 3 supplied fasteners. Install the remaining 2 small fasteners into the Pro R End Caps and tighten all 4.



STEP 18 Connect Hose "A" to the 90-Degree fitting you installed on the back of the Pro R Hypercharger in STEP 16. Connect the vacuum line from the "T" fitting to the vacuum nipple on the bottom of the Pro R Hypercharger vacuum pod.

STEP 19 Set the fuel tank back in place and secure with the stock fastener. Reinstall your spark plug covers, and put the seat back on.

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 the bike.**

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

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ADDENDUM I

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

VTX 1300 with Pro R-Series Hypercharger and Stock Pipes

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

VTX 1300 with Pro R-Series Hypercharger with Hard Chrome 2.5" Classic Straights

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

VTX 1300 with Pro R-Series Hypercharger, Stock headers and Cobra Slash-Cut Slip -on Mufflers

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

DISCLAIMER

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Ride On!