



INSTALLATION

CHROME PRO—R HYPERCHARGER

9322

PARTS INCLUDED

- 1 Pro-R Hypercharger Assembly
- 1 K&N Filter
- 1 Plastic Dual Velocity Ring
- 1 Hardware Kit Packaged Inside The Hypercharger Including:
 - 2 #6-32 x 3/8" Socket Head Cap Screw—SHCS
 - 2 Flat Washer (not used)
 - 3 1/4-20 x 1-5/8" Socket Head Cap Screw—SHCS
- 1 Filter Cage Assembly
- 1 Support Bracket
- 1 Breather Hardware Kit Including:
 - 1 1-1/4" breather bolts (pr)
 - 1 Breather hoses (pr)
 - 4 Shim Washers
- 1 Delphi Vacuum Adapter
- 1 Twin Cam Breather Kit Including:
 - 1 Breather Adapter/Spacer
 - 1 90° Barbed Fitting 1/8 NPT
 - 2 180° Barbed Fitting 1/4-28
 - 1 16" Vacuum Hose
 - 1 Barbed "T" Fitting
 - 3 1/4-20 x 1-1/2" Socket Head Cap Screw—SHCS
 - 1 Gasket with Adhesive
 - 2 Gasket without Adhesive
 - 4 4" Nylon Cable Ties
- 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, Set of Torx Wrenches, Needle Nose Pliers, Side Cutters, Factory Service Manual

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.

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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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WARNING! THE POSSIBILITY OF CONTACT BETWEEN THE HYPERCHARGER AND THE FUEL TANK EXISTS ON '06-LATER DYNA MODELS. THE FOLLOWING STEPS MUST BE TAKEN DURING INSTALLATION TO ENSURE ADEQUATE CLEARANCE:

- Apply downward pressure to the right (front cylinder) side of the support bracket as the breather bolts are tightened. At the same time, you must ensure that the three 1/4"-20 threaded holes in the throttle body line up with the corresponding holes in the support bracket.
- Rotate the Hypercharger assembly clockwise and down as the three 1/4"-20 x 1-1/2" socket head cap screws are tightened to provide maximum fuel tank clearance.
- Immediately after installation, verify there is adequate clearance between the Hypercharger assembly and the tank with motorcycle at idle and under load.

KURYAKYN WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED BY FAILURE TO ENSURE PROPER CLEARANCE.

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 exhaust system can cause a "lean" fuel/air mixture. A "lean" fuel/air mixture can cause engine overheating resulting in severe engine damage. Kuryakyn recommends having carbureted bikes rejetted and fuel injected bikes tuned with a TTS MasterTune tuning system (calibrations available at www.kuryakyn.com), or by an experienced tuner, on a dyno, with an exhaust gas analyzer.

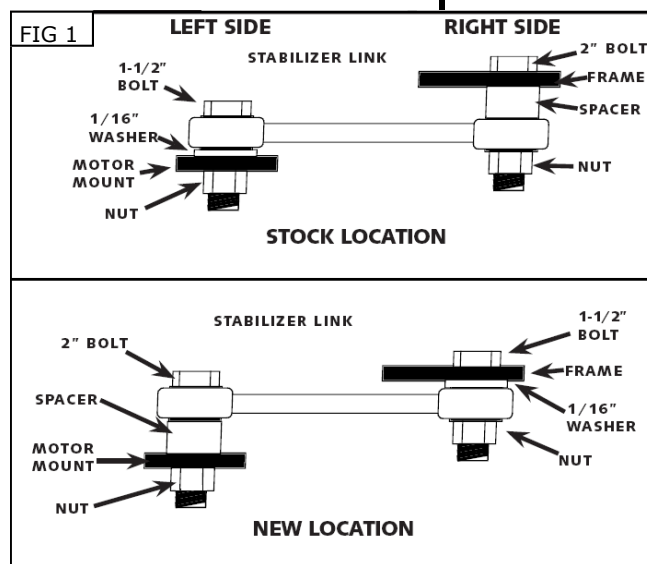
ATTENTION! A factory service manual is necessary for performing this installation. Do not attempt to perform this installation if you are not confident in your ability to complete all steps in the procedure; consult a trained technician.

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.

For '06-up Fuel Injected Models

NOTE: The following photos show the throttle body removed from the motorcycle for clarity. You DO NOT have to remove the throttle body to perform this installation.

- STEP 2** Remove the seat and fuel tank; refer to your factory service manual for specific instructions.
- STEP 3** Remove the air cleaner; refer to your factory service manual for specific instructions.
- STEP 4** Remove the throttle and idle cables (and cruise control cable, if fitted); refer to your factory service manual for specific instructions.
- STEP 5** **For FXD models only:** On Dyna models, there is not adequate clearance for the MAP sensor after the vacuum adapter is installed. You must remove and reposition the stabilizer link hardware to allow sufficient clearance for the MAP sensor. Locate the stabilizer link between the frame and the motor mount. See PIC.1. Remove the stock hardware and re-install in the new location following the diagram in FIG.1.
- STEP 6** Remove the two wiring harnesses going to the MAP (manifold air pressure) sensor and the IAC (idle air controller) unit.
- STEP 7** Remove the IAC bracket; remove the MAP sensor. See PIC.2.



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STEP 8 Assemble the vacuum adapter. Install the rubber manifold air pressure seal onto the adapter body. See PIC.3. Install the vacuum adapter on the MAP sensor. Be sure the orientation of the hose barb is correct. See PIC.4.

STEP 9 Install the IAC bracket on the throttle body. **DO NOT** tighten the fasteners yet. Be sure the peg on the bottom of the MAP sensor fits into the alignment hole on the throttle body. See PIC.5.

STEP 10 Insert the MAP sensor assembly into the throttle body. The vacuum adapter body fits under the tab on the IAC bracket. Be sure the orientation of the hose fitting is correct. See PIC.6. Tighten the fasteners on the IAC bracket.

STEP 11 Connect one end of the vacuum hose included with the Hypercharger to the hose fitting on the vacuum adapter.

STEP 12 Connect the wiring harnesses to the MAP sensor and the IAC unit.

STEP 13 Reconnect the throttle and idle cables (and cruise control, if fitted). Install the air cleaner, fuel tank and seat; refer to your service manual for specific instructions.

STEP 14 Position the chrome support bracket over the mouth of the throttle body and fasten loosely to each head with the supplied breather bolts.

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 15 Slide an intake gasket between the support bracket and the throttle body mouth; be sure all the holes are aligned. Tighten the breather bolts.

STEP 16 Trim 1/4" from each end of **ONE** of the supplied breather hoses. Install this hose between the front head and the 90° fitting on the breather adapter.

STEP 17 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.

STEP 18 Remove the paper backing from the self-adhesive intake gasket and apply the gasket between the Hypercharger and the breather adapter. Be sure to align the holes.

STEP 19 Use the three supplied 1/4- 20 x 1-1/2" SHCS fasteners to secure the rear half of the air cleaner to the throttle body. **DO NOT** over tighten the fasteners; hand tight plus 1/4 turn with a wrench is sufficient torque to secure the fasteners.

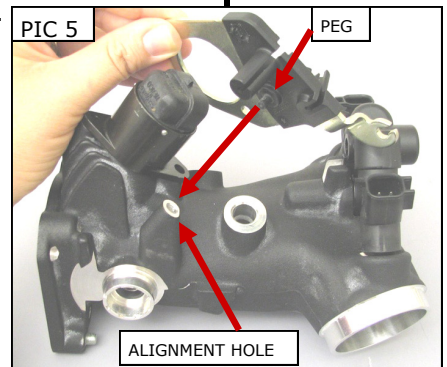
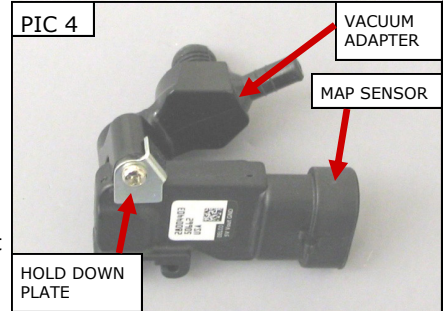
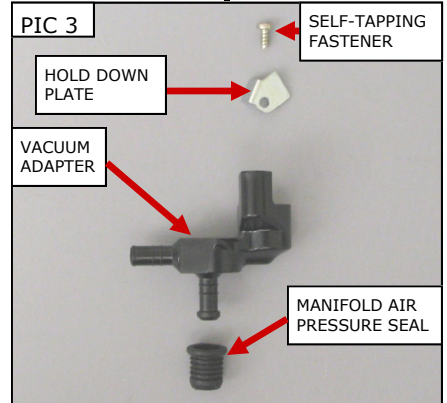
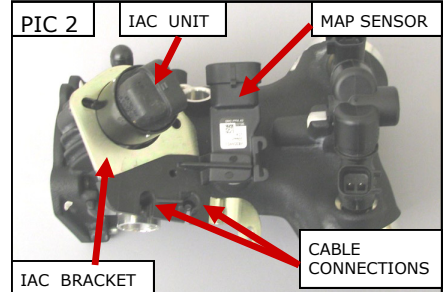
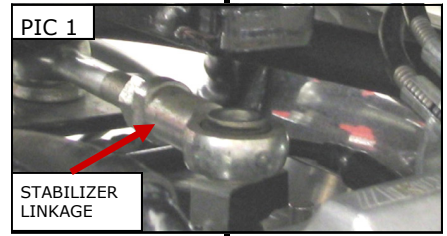
STEP 20 Position the black velocity ring so that the hole aligns with the float bowl vent hole.

STEP 21 Install the filter and cage assembly as shown in PIC.7. Place the front cover over the main filter and secure with the provided fasteners.

STEP 22 Connect the vacuum hose to the vacuum nipple on the bottom of the vacuum pod.

STEP 23 **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.



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For Carbureted Models Only — Procedure

- STEP 1** Remove the stock air cleaner assembly.
- STEP 2** Use needle nose pliers to remove the vacuum hose from the vacuum tap on the rear of the carburetor. See PIC.8. This step may require the removal of the carburetor from the intake manifold; consult your factory service manual.
- STEP 3** Cut a 1-1/2" length of vacuum hose from the vacuum hose provided. Connect the vacuum lines to the barbed "T" fitting as shown in PIC.9. Reconnect the vacuum line assembly to the carburetor as shown in PIC.10.
- STEP 4** If the carburetor was removed in STEP 2, reinstall it now. Be sure the carburetor is fully seated in the manifold; wetting the rubber seal may make this easier.
- STEP 5** Position the chrome twin cam mounting bracket over the mouth of the carburetor and fasten loosely to each head with the stock breather bolts.

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

- STEP 6** Slide an intake gasket between the support bracket and the carburetor mouth; be sure all the holes are aligned. Rotate the carburetor in either direction to align the holes. Tighten the breather bolts.

- STEP 7** Trim 1/4" from each end of **ONE** of the supplied breather hoses. Install this hose between the front head and the 90° fitting on the breather adapter.

- STEP 8** 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.

- STEP 9** Remove the paper backing from the self-adhesive intake gasket and apply the gasket between the Hypercharger and the breather adapter. Be sure to align the holes. Slide the intake gasket between the support bracket and induction module; be sure to align the holes.

- STEP 10** Use the three supplied 1/4-20 x 1-1/2" SHCS fasteners to secure the rear half of the air cleaner to the throttle body; note that the hole in the 10 o'clock position is the float bowl vent—do not use this hole. **DO NOT** over tighten the fasteners; hand tight plus 1/4 turn with a wrench is sufficient torque to secure the fasteners.

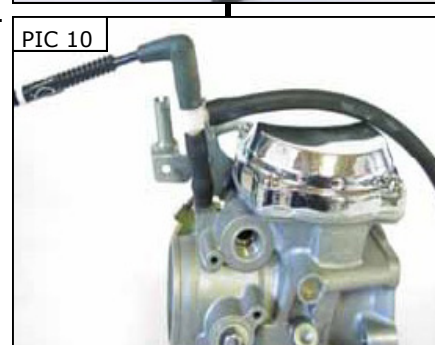
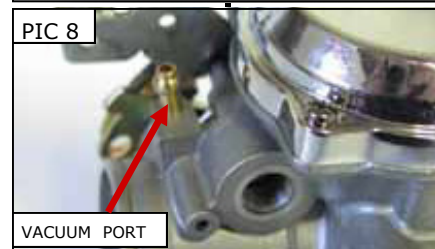
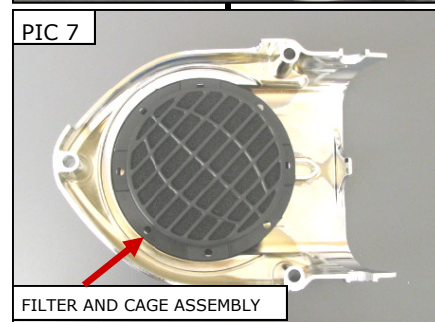
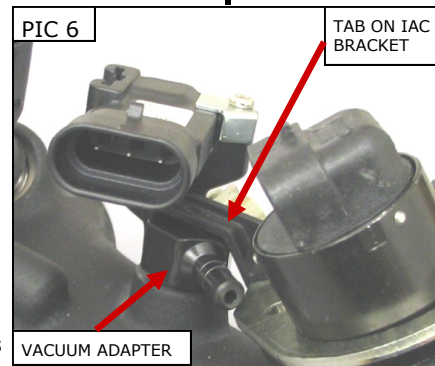
- STEP 11** Position the black velocity ring so that the hole aligns with the float bowl vent hole.

- STEP 12** Install the filter and cage assembly as shown in PIC.7. Place the front cover over the main filter and secure with the provided fasteners.

- STEP 13** Connect the 14" vacuum hose between the "T" fitting and the vacuum nipple on the bottom of the Hypercharger vacuum pod.

- STEP 14** **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.



Ride On!