



INSTALLATION

CHROME HYPERCHARGER

9983

PARTS INCLUDED

- 1 Chrome Hypercharger Assembly with Chrome Blood Groove Trap Door and Chrome Butterflies
- 1 Hypercharger Mounting Bracket
- 1 Hardware Kit Includes:
 - 1 7/8" O.D. X 13/32" I.D. Spacer—**USED in STEP 8**
 - 2 Gaskets
 - 4 1/4"-20 X 2" Socket Head Cap Screws
 - 2 1/4" AN Flat Washers
 - 2 1/4" NPT 90 Degree Chrome Fittings
 - 2 Black Nylon Barbed Fittings
 - 1 Black Nylon Fitting for Intake Manifold
 - 1 24" Vacuum Hose
 - 2 Aluminum Shims
 - 1 White Plastic Hole Plug
- 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.

WARNING

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

Adjustable Wrench, Set of Combination Wrenches, Set of Hex Wrenches, Knife or Scissors, #3 Drill Bit, 1/4"-28 Tap and Handle, Drill, Center Punch, Clean Rag

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.

NOTE: Installation of this kit requires drilling a hole in the manifold to supply a vacuum source.

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.

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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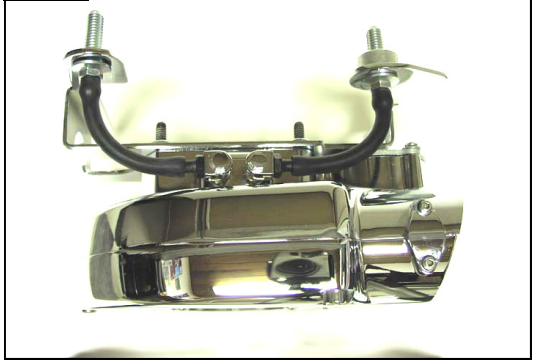


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WARNING

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.

PIC 1



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

The installation of any high performance air cleaner 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 fuel injected bikes tuned with a TTS Master Tune tuning system (calibrations available at www.kuryakyn.com), or by an experienced tuner, on a dyno, with an exhaust gas analyzer.

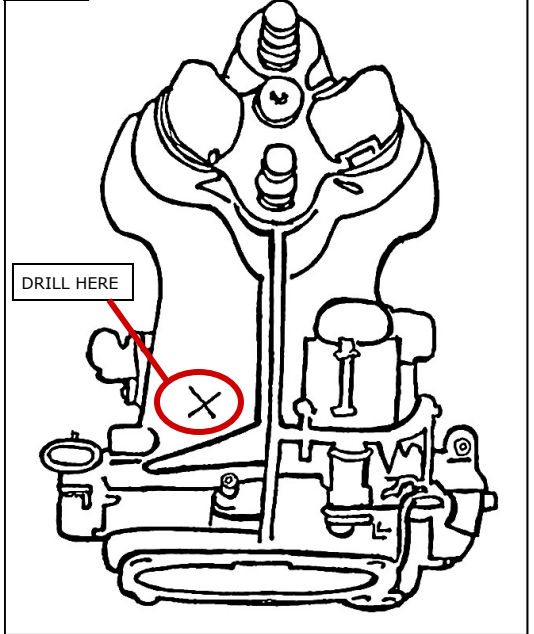
STEP 2 Remove the stock air cleaner from the bike.

STEP 3 Affix one adhesive backed gasket to the backside of the Hypercharger and one to the backside of the mounting bracket (the side that meets the throttle body).

STEP 4 Thread a 90 degree fitting into each tapped hole in the back half of the Hypercharger. Thread a 1/8" barbed fitting into each of the 90 degree fittings. See PIC.1.

STEP 5 With a hex wrench, carefully remove the bearing cups from the top and bottom of the Hyper. They are located just above and just below the butterfly shaft.

FIG 1



NOTE: There is a small spring in the lower bearing cup and a small washer in the upper bearing cup. Pay attention to their orientation during disassembly as this will help with re-assembly. With a hex wrench remove the three bolts holding the front and back halves of the Hyper together. Separate the two halves of the Hyper and remove the filter element.

NOTICE

MAKE SURE YOU READ AND UNDERSTAND THE NEXT STEP FULLY BEFORE PROCEEDING. SLOPPY WORK HERE COULD RESULT IN ENGINE DAMAGE!!!

NOTICE

MEASURE TWICE – DRILL ONCE. Double check all reference marks made on the Throttle Body BEFORE drilling. Kuryakyn will not be responsible for incidental or consequential damages resulting from this installation.

STEP 6 Mark the throttle body in the position shown (rear cylinder intake runner, behind the throttle plate) FIG.1. Check your mark to be sure the vacuum nipple will not interfere with other components once installed. Using the #3 drill bit, carefully drill a hole on your mark and tap using a 1/4"-28 tap.

NOTICE

IT IS EXTREMELY IMPORTANT THAT METAL FILINGS DO NOT MAKE THEIR WAY INTO THE CYLINDER HEADS. WE RECOMMEND HOLDING THE THROTTLE PLATES OPEN WHILE INSERTING THE NOZZLE OF A SHOP VAC™ INTO THE INTAKE RUNNER TO SUCK OUT THE FILINGS AS THEY ARE GENERATED. IT IS ALSO A GOOD IDEA TO WIPE THE INTAKE RUNNER WITH A GOOD CLEAN TOWEL DAMPENED WITH CARB CLEANER AFTER THE HOLE IS THREADED AND ALL BURRS HAVE BEEN REMOVED.

STEP 7 Thread the nylon vacuum nipple into the hole you just drilled and tapped. Connect one end of the lengths of vacuum hose to this fitting. The other end of the vacuum hose will be connected later.

STEP 8 Place the chrome support bracket in position on the engine. The 3/8" spacer is used between the front head and the support bracket. Check for gaps between the support bracket and each head. Shim if necessary. Failure to shim if necessary may result in a broken support bracket. Secure the support bracket using your stock breather bolts.

NOTICE Be sure the support bracket contacts each head when it is in place across the front of the throttle body. If there is a gap between the heads and the support bracket, use shim washers. Tightening the breather bolts when a gap is present here will likely result in a broken bracket within a short period of time.

STEP 9 Look at the bolt pattern on the back half of the Hyper. Notice that two of the mounting holes are larger. This is necessary for mounting on an Evolution. For the Twin Cam installation a small flat washer will be placed under the bolt heads at these two locations. Attach the Hypercharger to the throttle body using the 1/4"-20 X 2" Socket Head Cap Screws and two small AN flat washers supplied with this kit. Insert the White Plastic Hole Plug into the back half of the Hyper. The hole the plug will fill is located to the bottom right of the Hyper back in the filter groove.

STEP 10 Reassemble the Hypercharger.

STEP 11 From the remaining section of vacuum hose cut two lengths of hose approximately 3-1/4" long. Connect these two lengths of hose from the breather bolts to the barbed fittings on the back half of the Hypercharger that you installed in STEP 4. See PIC.1.

STEP 12 Connect the vacuum hose from STEP 7 to the vacuum pod nipple located on the back half of the Hypercharger directly behind the butterflies.

STEP 13 **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.

Ride On!

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