



CHROME HYPERCHARGER KIT 9983

FITS: H-D TWIN CAM WITH MAGNETI-MARELLI FUEL INJECTION

PART#	INCLUDED
600164	1 Chrome Hypercharger Assembly with Chrome Blood Groove Trap Door
401005	1 Hypercharger Mounting Bracket
909983	1 Hardware Kit Includes:
400885	1 7/8" O.D. X 13/32" I.D. Spacer
400643	2 Gasket
200135	4 1/4" -20 X 2" Socket Head Cap Screw
200552	2 .281 X .437 X .060 Flat Washer
400370	2 1/4" NPT 90 Degree Chrome Fitting
400872	2 Black Nylon Barbed Fitting
400840	1 Black Nylon Fitting for Intake Manifold
400086	1 24" Vacuum Hose
200020	2 .391 X .437 X .060 Aluminum Spacer
200951	1 White Plastic Hole Plug
309983	1 Instruction Sheet

TOOLS SUGGESTED

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

PROCEDURE

STEP 1 Remove the stock air cleaner from the bike.

STEP 2 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).

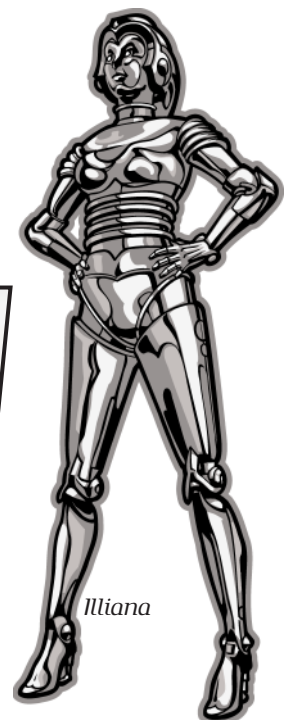
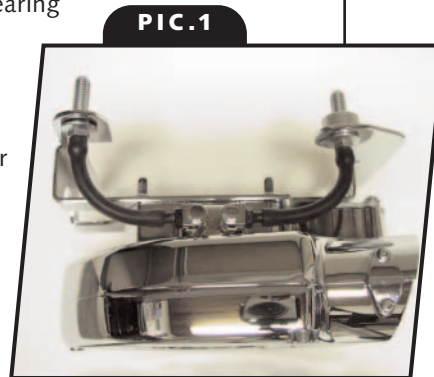
STEP 3 Thread 90 degree fitting into the tapped holes in the back half of the Hypercharger. Thread a 1/8" barbed fitting into each of the 90 degree fittings. See PIC.1.

STEP 4 With a 7/64" Allen 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.

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 3/16" Allen 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.

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WARRANTY

Kuryakyn™ warrants that any Kuryakyn product sold hereunder, if properly installed, maintained and operated under normal conditions, shall be free from any defects in materials and workmanship for a period of one (1) year from the date the Kuryakyn products are sold to the customer.

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Kuryakyn shall not be liable for any consequential or incidental damages.

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

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FIG.1

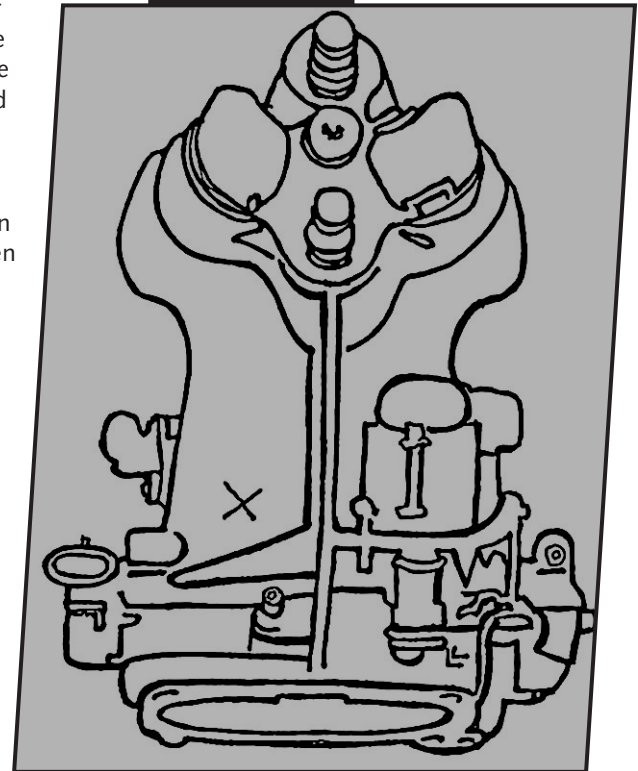
STEP 5 Mark the throttle body in the position shown (rear cylinder intake runner, behind the throttle plate) FIG.1. Check your mark to be sure the vacuum nipple will not interfere with other components once installed. Using the #3 drill bit, carefully drill a hole on your mark and tap using a 1/4"-28 tap.

WARNING

It is **EXTREMELY** important that metal filings do not make their way in to 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 6 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 7 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.



STEP 8 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 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 9 Reassemble the Hypercharger.

STEP 10 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 3. See PIC.1.

STEP 11 Connect the vacuum hose from Step 5 to the vacuum pod nipple located on the back half of the Hypercharger directly behind the butterflies.

Ride On!

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