



HYPERCHARGER FOR '91-UP SPORTSTER 8361

Chrome Body with Black Butterflies and Trap Door

**FITS: '91-UP XL MODELS USING H-D ACCESSORY BREATHER
NO ADAPTER NECESSARY WHEN USED ON STOCK C.V. CARBS**

**NOTE: THESE KITS ARE FOR USE WITH H-D ACCESSORY BREATHER 29281-91T,
OR OTHER AFTERMARKET CRANKCASE BREATHERS, NOT INCLUDED.**

PART#	INCLUDED
600159	1 Chrome Hypercharger Assembly Including the Following Components:
400970	1 Hypercharger Case – Back Half
400973	1 Hypercharger Case – Front Half
400974	2 Bearing Cups (End Caps) – Chrome
400737	2 Igus Bearings
400794	1 Spring
200094	3 1/4"-20 x 1-1/2" S.H.C.S. – Smooth, Stainless Steel
200088	3 1/4" I.D. Wave Washers
200183	4 10-24 x 3/8" B.S.C.S.
200449	4 #10 Wave Washer
200103	1 E-Ring
200550	1 .135 x .235 x .030 Flat Washer
400743	1 Control Rod ("L" Shaped)
200360	1 5-40 Nylock Nut
200266	1 .125 x .312 x .031 Flat Washer
400738	1 Diaphragm
400744	1 Conical Nut
400257	1 Compression Sleeve
400742	1 Air Control Jet
400854	1 Pod Spring
400599	1 Pod Cover Gasket
400628	1 Pod Cover Insert
400629	1 Pod Cover Disc
200383	1 8-32 Hex Nut
200394	1 8-32 x 3/4" Pan Head Screw
200014	3 #8 Split Lock Washers
200013	3 #8 Flat Washers
200389	3 8-32 x 1/2" Pan Head Screws
200273	4 4-40 x 3/16" S.H.C.S.
608599	1 Butterfly Shaft
200018	1 .010 Shim/Spacer
200454	4 .149 x .231 x .031 Flat Washers
200482	4 6-32 x 3/8" S.H.C.S.
400642	1 Trap Door Gasket
708478	1 Trap Door – Black
708484	2 Butterflies – Black
400541	1 Air Filter Element

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E-MAIL

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or call 715.247.2983

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.

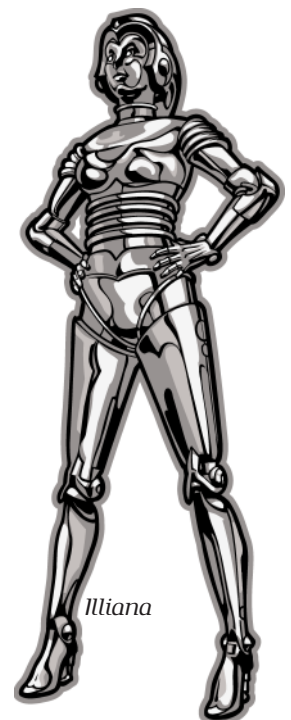
CONSEQUENTIAL DAMAGES:
Kuryakyn shall not be liable for any consequential or incidental damages.

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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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600149	1	#9 Installation Support Kit Including:
400086	1	16" Length of Vacuum Hose — 3/32" I.D. x 1/4" O.D.
400859	1	Barbed "T" Fitting
400518	1	Gasket — "Late Inlet" with Adhesive
400517	2	Gasket — "Late Inlet"
400926	1	K&N Sticker and Filter Care Sheet
200106	3	1/4"-20 x 1-1/2" S.H.C.S.— Patched
400634	1	"Late Inlet" Aluminum Spacer — 7/8" Thick
401014	1	Carb Support Bracket — Chrome
308361	1	Instruction Sheet

TOOLS SUGGESTED

S.A.E. Allen wrench set, Needle nose pliers, Diagonal cutter, 3/4" Wrench. You will also need an 18" length of 3/8" I.D. Hose.

PROCEDURE AVERAGE TIME: 45-60 MINUTES

STEP 1 Remove the stock air cleaner assembly.

STEP 2 Turn off the fuel petcock. Remove from the carburetor: fuel line, cables, enricher valve, and V.O.E.S. vacuum line. Remove the carb from the intake manifold. It is extremely likely that best performance will be obtained by re-jetting the carburetor. Install a suitable carb recalibration kit like Küryakyn P/N 8514, at this time.

STEP 3 Cut a 1-1/2" section of vacuum hose from the length included. Assemble the vacuum "T" as shown in [PIC.1](#).

STEP 4 Install this vacuum line assembly as shown in [PIC.2](#).

STEP 5 Re-install the carb on to the intake manifold. Be sure the carb is pushed all the way back into the manifold. Reconnect and adjust the cables, reconnect the fuel line, and replace the enricher valve.

STEP 6 Consult the instructions that came with the H-D breather for the proper orientation and placement of components. Place the chrome carb support bracket across the mouth of the carb. Place the H-D breather assembly over the outside of the carb support bracket, and start the breather bolts through the support bracket and into each head. Maneuver the carb so all three mounting holes and the float bowl vent hole (10-O'Clock position) are centered in the corresponding slots in the support bracket.

Important: Be sure the support bracket contacts each head when it is in place across the front of the carb. If there is a gap between the heads and the support bracket, push the carb inward to eliminate this gap. Tightening the breather bolts when a gap is present here will likely result in a broken bracket within a short period of time.

STEP 7 While holding an intake gasket in place between the carb and the support bracket, tighten the breather bolts.

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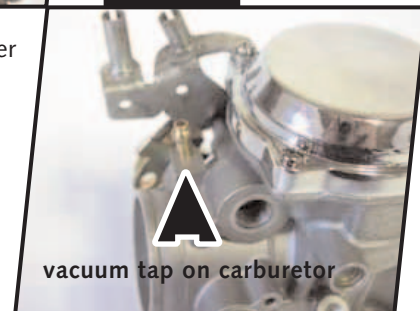
PIC.1



PIC.2



PIC.3



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STEP 8 With a 1/8" Allen wrench, remove the round trap door in the Hypercharger. Insert the three 1/4"-20 socket head cap screws through the mounting holes in the Hypercharger from the inside. Remove the adhesive backing from one of the intake gaskets, and place it over the three mounting screws now protruding from the back of the Hypercharger. **DO NOT** place a bolt through the float bowl vent hole — this hole is the one in the 10-O'Clock position.

STEP 9 Hold an intake gasket in position between the aluminum spacer ring and the support bracket. Position the Hypercharger over the spacer ring and install the Hypercharger to the carb support bracket/spacer assembly. Tighten these bolts securely, but don't over do it — the bolts go into the aluminum carb body which can be easily stripped or broken.

STEP 10 Replace the trap door and gasket.

STEP 11 Plug the rubber vacuum hose (assembled in Step 4) into the air jet on the bottom of the vacuum pod which is on the back of the Hypercharger. Plug the long section of 3/8" I.D. hose to the nipple on the H-D breather tube and route it neatly to the ground.

STEP 12 Double check the tightness of all related fasteners.

Ride On!