



WRINKLE BLACK HYPERCHARGER KIT 9979

WITH BLOOD GROOVE TRAP DOOR AND CHROME BUTTERFLIES

FITS: '01-'05 H-D TWIN CAM WITH DELPHI FUEL INJECTION

Table with 2 columns: PART# and INCLUDED. Lists parts such as Wrinkle Black Hypercharger Assembly, Blood Groove Trap Door, Chrome Butterflies, K&N Filter, Hypercharger Mounting Bracket, Vacuum Adapter Kit, Delphi Fuel Injection Adapter, Black Nylon Fitting, Aluminum Spacer, Adapter Gasket, M4 x 0.70 x 30mm SHCS Fastener, Breather Hardware Kit, Shim Washers, Twin Cam Adapter Kit, 5/8" Twin Cam Breather Adapter, 90-Degree Elbow, Black Nylon Fitting, 16" Vacuum Hose, T-Fitting, 1/4-20 x 1-1/2" SHCS Fastener Socket Head Cap Screw, Adhesive Gasket, Gasket, 4" Cable Tie, and Installation Instructions.

THANK YOU FOR CHOOSING KURYAKYN!

CAUTION! The installation of any high performance air cleaner and/or 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 the motorcycle tuned by a competent technician.

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 steps in the procedure

NOTE It is the installers' responsibility to make sure all fasteners (including pre-assembled) are tightened before operation of motorcycle. Kuryakyn will not warranty components that are lost due to improper installation. Periodic maintenance may be required.

NOTE 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.

9979-15HD-0407

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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. Components of Kuryakyn products containing L.E.D.s will be warranted for defects in materials and workmanship for 3 years from the date of purchase.
- 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.

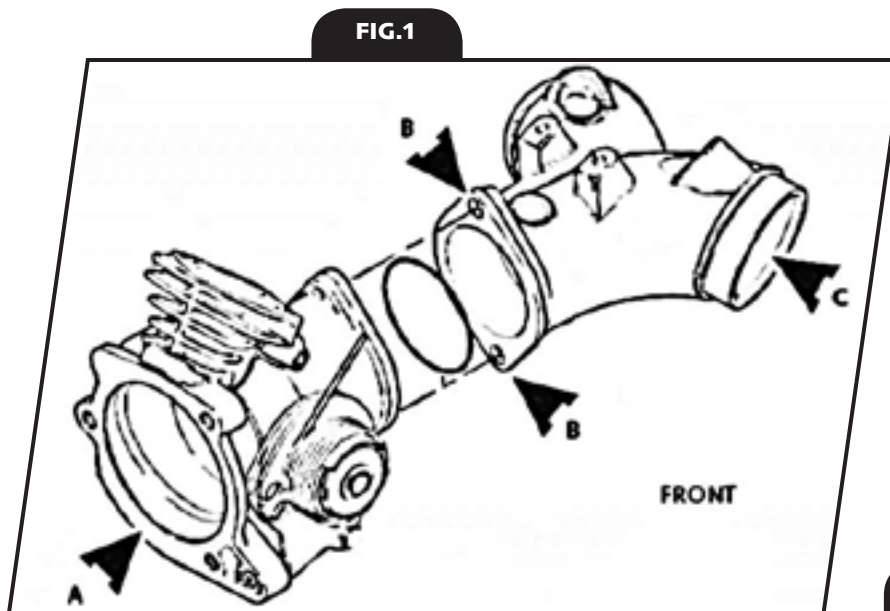
ABOUT OUR CATALOG

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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TOOLS SUGGESTED

Allen wrenches, standard size wrenches and sockets, needle nose pliers, diagonal cutters, long reach 3mm Allen socket, long reach T-20 Torx socket, and torque wrench.

PROCEDURE

STEP 1 Remove the stock air cleaner assembly, mounting hardware, and breather hoses.

STEP 2 Remove the stock horn; remove the upper and lower induction module mounting screws and the induction module from the intake manifold. See [FIG.1](#).

STEP 3 Test fit the vacuum adapter; ideally, the adapter should be installed so that the vacuum fitting points up, towards the rear of the bike. If this is not possible, it is acceptable for the fitting to point down, towards the front of the bike.

STEP 4 Apply the adhesive gasket to the vacuum adapter. **IMPORTANT!** Be sure to apply the gasket to the side of the adapter with the shallow-beveled bolt holes; NOT the side with the countersunk bevels.

STEP 5 Wet the vacuum fitting then slide the vacuum hose over the fitting.

STEP 6 Install the gasket side of the adapter to the intake manifold. You may find it helpful to insert the top fastener through the intake manifold, then "hang" the adapter on this fastener.

STEP 7 Check that the stock o-ring is in place between the induction module and the intake manifold, then start both fasteners and alternately tighten the fasteners to 7-33 inch pounds of torque.

STEP 8 Slide the intake gasket between the support bracket and induction module; be sure to align the holes.

NOTE Use the supplied shim washers to remove any gap between the bracket and the head. Do not use excessive torque to try to fill the gap; this could damage the bracket.

STEP 9 Modify one of the supplied breather hoses by removing 1/4" from each end of the hose, see [PIC.1](#). Install this modified hose between the front head and the 90-degree barbed fitting on the breather adapter. Install the unmodified breather hose between the rear breather bolt and the straight barbed fitting on the breather adapter. Secure the ends of both hoses with the supplied cable ties; snip the ends of the cable ties flush after installation. See [PIC.2](#).

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PIC.1



PIC.2



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STEP 10 Remove the paper backing from the adhesive on the intake gasket and apply the gasket between the Hypercharger and the breather adapter; be sure to align the holes correctly.

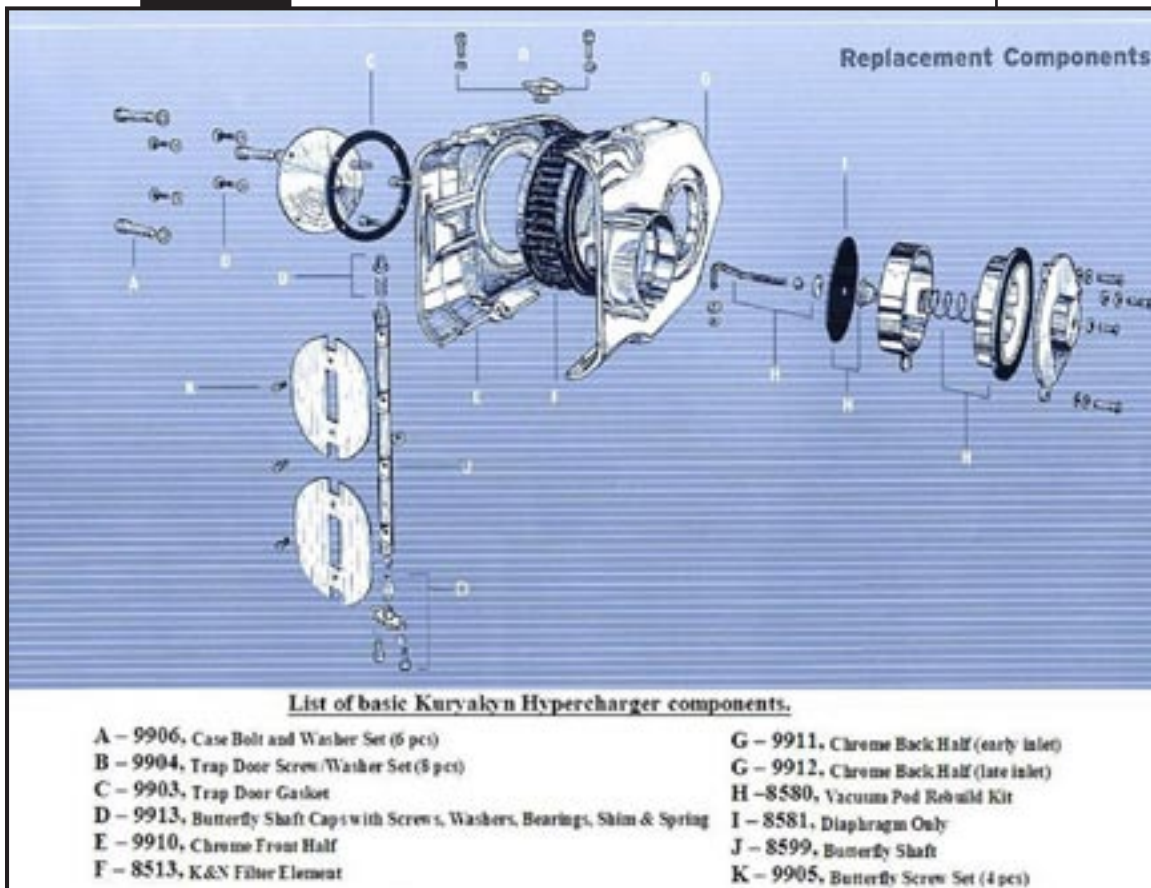
STEP 11 Remove the trap door from the front of the Hypercharger; remove the four 10-24 x 3/8" fasteners securing the trap door. Set these components aside for now.

STEP 12 Secure the Hypercharger back plate assembly to the carburetor using the supplied 1/4-20 x 1-1/2" SHCS fasteners. Be sure to leave the hole in the 10 o'clock position open; this is the float bowl vent. Replace the trap door removed in the previous step.

STEP 13 Connect the free end of the vacuum hose to the Hypercharger; be sure to route the hose away from any pinch points.

STEP 14 Verify smooth operation of the throttle and butterflies.

FIG.2



Ride On!