



HONDA HYPERCHARGER KIT 9432

FITS: ALL HONDA 750 SHADOW AERO MODELS

PART #	INCLUDED
600163	1 Hypercharger Assembly
8513	1 K&N Hyper Filter
609432	1 Bracket/Adapter Kit, including: 1 Hyper Mounting Bracket 1 Idle Adjustment Mounting Bracket 2 M6 Aluminum Tapered Bolt Cap 1 Rubber Manifold 2 1" x 0.75 OD Aluminum Spacer 1 Rubber Bump Stop 2 M6 x 1.0 x 45mm SHCS Fastener 3 1/4-20 x 5/8" SHCS Fastener 3 1/4-20 Hex Nut 1 Anti-Seize Compound 1 Barbed Nylon Hose Connector
619432	1 90-degree Barbed Nylon Hose Connector 1 Elbow and Connector Kit, including: 1 10" Float Bowl Hose 5/16" ID 1 16" Vacuum Hose 5/32" ID 1 Barbed Nylon "T" Hose Connector
609432JJK	1 1/8" Threaded Nylon Plug 1 Jet Kit for Shadow 750 1 3.0 Drill Bit 1 M4 x .7 Tap 1 #140 Main Jet 1 #145 K Main Jet 1 #1.2 Small-headed Air Bleed, Threaded
309432	1 0.55mm Shim 1 Installation Instructions

Please read and understand entire instructions before starting installation.

THANK YOU FOR CHOOSING KURYAKYN!

PLEASE 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.

TOOLS SUGGESTED

Allen wrenches, sockets, and #2 Phillips screwdriver.

ATTENTION! This procedure requires you to make permanent modifications to the carburetor, including precise drilling and tapping. This modification may void your warranty; check with your dealer for more information.

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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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ATTENTION! A factory service manual is necessary to perform this installation. Do not attempt to perform this installation if you are not confident in your ability to perform all steps in the procedure, including precise drilling and tapping; consult a trained technician.

PROCEDURE REMOVE THE STOCK AIR CLEANER AND CARBURETOR

STEP 1 Remove the seat, dash panel, and fuel tank; consult your factory service manual for specific instructions on performing this procedure.

STEP 2 Remove the air cleaner assembly. Save the clamp securing the rubber manifold to the carburetor, it will be reused later. See [PIC.1](#).

STEP 3 Remove the carburetor for re-jetting; consult your factory service manual for specific instructions on removing the carburetor. Prepare the carburetor for re-jetting by removing the top cover, see [PIC.2](#).

STEP 4 Remove the diaphragm and needle. The diaphragm is secured by a spring-tensioned 1/3 turn keeper. See [PIC.3](#).

RE-JET THE CARBURETOR

CAUTION! Incorrect installation of the pilot air bleed can damage your carburetor. Do not attempt to perform this installation if you are not confident in your ability to perform all steps in the procedure; consult a trained technician.

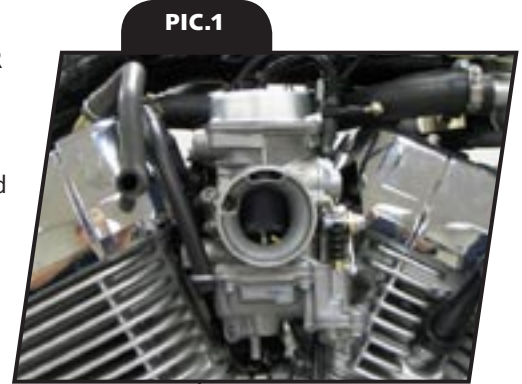
STEP 5 Locate the correct placement for the new jet. See [PIC.4](#).

STEP 6 Carefully drill and tap the area for the new air bleed jet. **DO NOT** drill deeper than 4mm or you will damage your carburetor. Be sure to remove any metal shavings from the carburetor before proceeding.

STEP 7 Install the 1.2 mm air bleed jet into the new tapped hole. See [PIC.5](#). Do not over tighten.

STEP 8 Install the supplied 0.55 shim under the needle. Replace the needle, diaphragm, and keeper into the carburetor. See [PIC.6](#) for assembly sequence.

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PIC.1



PIC.2



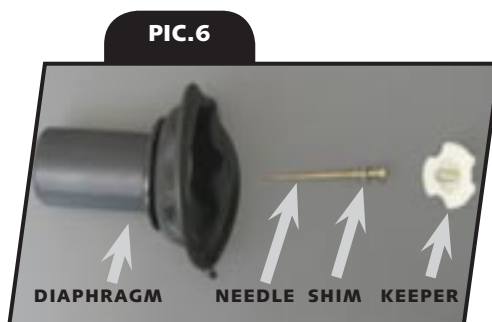
PIC.3



PIC.5



PIC.4



PIC.6

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STEP 9 Remove the float bowl to expose the stock jets and pilot screw. See [PIC.7](#).

STEP 10 Locate the brass cap covering the pilot screw. The cap must be removed to access the pilot screw. Carefully drill a hole in the brass cap; thread in a machine screw and then use the screw to pull the cap off the carburetor.

STEP 11 Install the new main jet and adjust the pilot screw to obtain the proper fuel mixture. The following suggestion is only a recommended starting point; your specific jet and pilot screw adjustment will depend on your particular application.

Stock Pipes

135 main jet

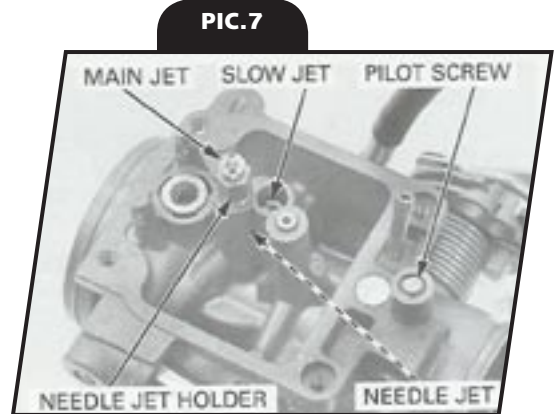
Adjust pilot screw two turns out

Hard Chrome 3" Big Straights

145 main jet

Adjust pilot screw two turns out

ATTENTION! Proper jetting has many variables that determine proper fuel mixture. Kuryakyn suggests consulting a trained technician to determine specific final jetting.

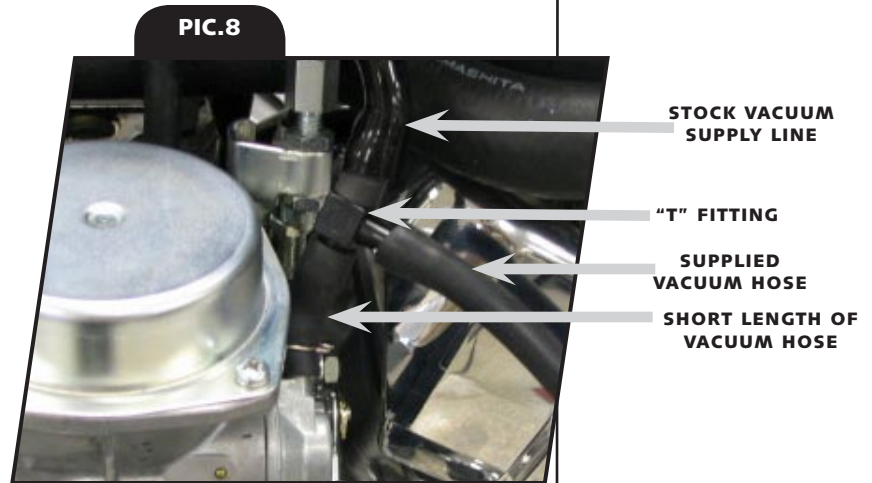


REASSEMBLE AND INSTALL THE CARBURETOR

STEP 12 Reassemble the carburetor; refer to your factory service manual for specific instructions.

STEP 13 Reinstall the carburetor and connect the hoses; refer to your factory service manual for specific instructions on installing these components. Leave the top breather hose disconnected; it will be reinstalled later in the procedure.

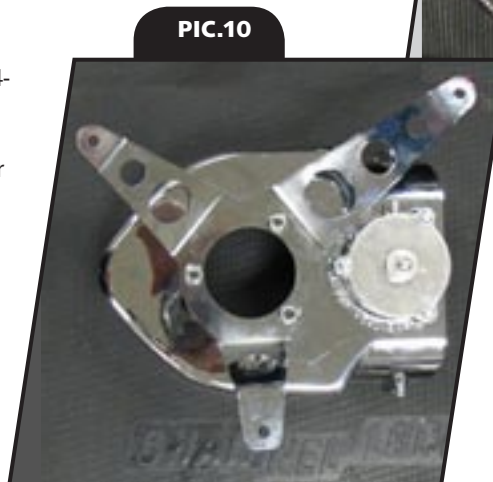
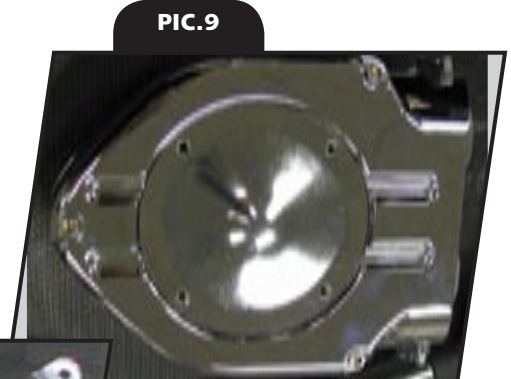
STEP 14 Cut a short length of the supplied vacuum hose and install it on the carburetor vacuum supply fitting. Insert the provided "T" fitting in the vacuum hose. Connect the vacuum supply line to one end of the "T" fitting and the supplied vacuum hose to the other end of the fitting; see [PIC.8](#). The vacuum supply hose will be connected later in the procedure.



ASSEMBLE AND INSTALL THE HYPERCHARGER

STEP 15 Remove the four screws and the round cover from the Hypercharger. See [PIC.9](#).

STEP 16 Bolt the mounting bracket to the Hypercharger case using the three supplied 1/4-20 x 5/8" fasteners and nuts. The long arm of the mounting bracket points toward the front of the Hypercharger case. See [PIC.10](#) for proper orientation. Do not tighten the fasteners at this point; the slotted mounting holes in the mounting bracket will allow slight angle adjustment of the Hypercharger once installed on your motorcycle.



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STEP 17 Insert the rubber bumper into the top leg of the mounting bracket. Position the bumper so that the large, flat surface faces out, away from the motorcycle. See [PIC.12](#).

STEP 18 Install the hose barb into the back of the Hypercharger. Orient the hose barb so that it points to the 10 o'clock position when the Hypercharger is installed on the motorcycle. See [PIC.12](#) for barb location.

STEP 19 Fold the large end of the rubber manifold into itself and push it through the mounting bracket and Hypercharger case. See [PIC.11](#). Position the manifold with the vacuum inlet as shown in [PIC.12](#).

STEP 20 Install the double-ended hose barb into the vacuum inlet; be sure the square center of the hose barb is fully seated.

STEP 21 Install the clamp saved during STEP 2 on the manifold. Position the clamp so that the anti-rotation plate on the clamp fits into the notch in the manifold and the screw head faces the back of the motorcycle.

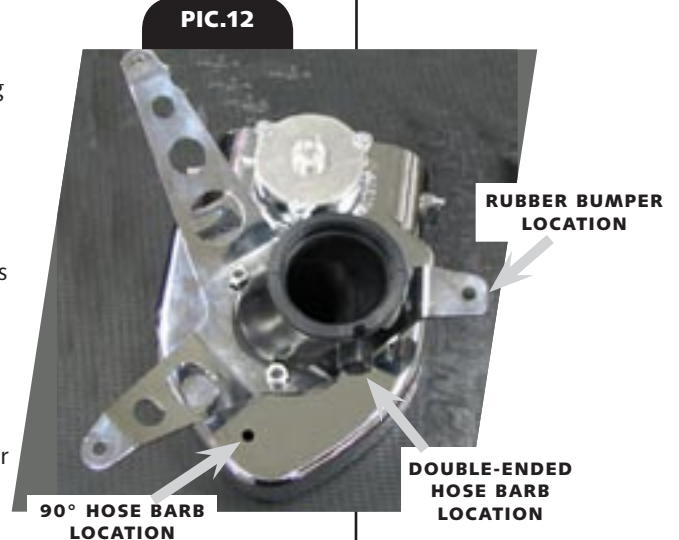
STEP 22 Install the vacuum supply line from Step 14 onto the fitting on the back of the Hypercharger; see [PIC.13](#). You can cut the vacuum supply line to fit if it is too long.

STEP 23 Loosely fasten the Hypercharger mounting bracket to the front cylinder. The chamfered end of the 1" spacer goes against the cylinder. Be sure to apply anti-seize compound to the fastener threads before installing in the cylinder. See [PIC.14](#) for proper assembly sequence.

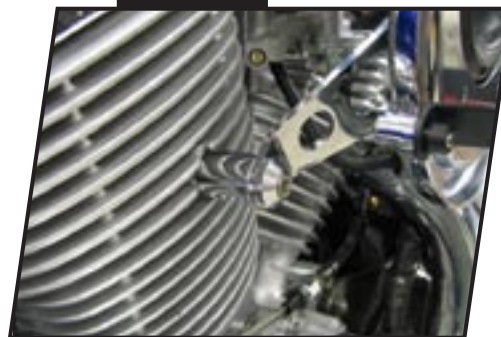
STEP 24 Loosely fasten the Hypercharger mounting bracket to the front cylinder. The chamfered end of the 1" spacer goes against the cylinder. Place the idle adjustment bracket between the Hypercharger mounting bracket and the 1" spacer. Be sure to apply anti-seize compound to the fastener threads before installing in the cylinder. See [PIC.15](#) for proper assembly sequence.



PIC.11



PIC.12



PIC.14



PIC.15



PIC.13

STEP 25 Install the idle adjustment knob in the bracket.

STEP 26 Position the Hypercharger assembly over the carburetor and secure the hose clamp. See [PIC.16](#).

STEP 27 Verify the manifold aligns with the carburetor and is not twisted; rotate the manifold for proper fit, if necessary. Tighten the two mounting bracket fasteners to secure the backing plate and mounting bracket. The top mounting leg with rubber bump stop will be positioned behind your gas tank.

STEP 28 Connect the breather hose from top of the rear cylinder to the hose barb on the new manifold. See [PIC.17](#).

STEP 29 Adjust the Hypercharger position and tighten the mounting bolts.

STEP 28 Reinstall the round cover on the Hypercharger; fasten with four screws.

STEP 29 Install the float bowl breather line onto the hose barb on the back of the Hypercharger using the new hose.

STEP 30 Reinstall the seat, fuel tank, and dash panel; refer to your factory service manual for specific information on this procedure. The top leg of the Hypercharger mounting bracket rests against the gas tank.

STEP 31 Verify that all fasteners are secure and have Loctite applied, that all hoses are connected and free from kinks, and that the throttle cables operate freely.

Ride On!

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PIC.16



PIC.17



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