



INSTALLATION

STREET SLEEPER II TWIN CAM 99-06 CARB/01-UP DELPHI FUEL INJECTION

9537

PARTS INCLUDED

- 1 Street Sleeper Air Cleaner Assembly With Filter
- 1 Composure Strap Assembly
- 1 Velocity Plate
- 1 Vibe X Assembly
- 1 Air Lock Ring
- 1 Hardware Kit Containing
 - 5 #8-32 X 3/8 Countersunk Socket Head Bolts—**LONG**
 - 4 #8-32 X .3125" Countersunk Socket Head Bolts—**SHORT**
 - 1 #8-32 X 5/16" Button Socket Head Bolt
 - 1 #8 Flat Washer Stainless
 - 3 1/4"-20 X 3/4" Socket Head Bolt
 - 3 1/4"-20 X 1/2" Socket Head Bolt—**NOT USED**
 - 2 Black Rubber Vacuum Caps
 - 1 Knurled Drum
 - 1 Custom Button Socket Head Bolt
 - 1 Chrome Steel Tube Tie
- 2 Breather Hose
- 2 Breather Bolt
- 1 Gasket
- 1 Chrome Mounting bracket
- 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 ATTENTION NOTES 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

ATTENTION! This indication alerts you to the fact that ignoring the contents described herein may negatively affect product performance and functionality.

TOOLS SUGGESTED

Set of Hex Wrenches, Combination Wrenches

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.

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.

CUSTOMER SERVICE

877.370.3604 (toll free)

INSTALLATION QUESTIONS

techsupport@kuryakyn.com
or call 715.247.2983

LIMITED WARRANTY

Küryakyn warrants that any Küryakyn 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:

- Küryakyn 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.
- Küryakyn makes no warranty, expressed or implied, with respect to any gold plated products.
- Küryakyn shall not be liable for any consequential and incidental damages, including labor and paint, resulting from failure of a Küryakyn product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breach of contract or duty between Küryakyn and a customer.
- Küryakyn products are often intended for use in specific applications. Küryakyn makes no warranty if a Küryakyn product is used in applications other than intended.
- Küryakyn electrical products are warranted for one (1) year from the date of purchase by the consumer. L.E.D.'S contained in components of Küryakyn 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.
- Küryakyn makes no warranty of any kind in regard to other manufacturer's products distributed by Küryakyn. Küryakyn 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 Küryakyn® products, you can receive a complete catalog free of charge.

Send the Proof-of-Purchase below with your address to: Küryakyn, 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 Küryakyn® products, the motorcycle parts and accessories designed for riders by riders.

©2005 Küryakyn USA® All Rights reserved.



ATTENTION! Proper tuning is important. We recommend carbureted bikes should be rejetted and fuel injected bikes should be tuned with a TTS MasterTune tuning system (calibrations available at www.kuryakyn.com), or by an experienced tuner, on a dyno, with an exhaust gas analyzer. 2007 and later Harley Twin Cams run especially lean combined with retarded ignition timing. Lean conditions and/or retarded ignition timing will cause high exhaust temperatures and discolor chrome exhaust.

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.

NOTE: Carbureted bikes will require the separate purchase of Kuryakyn's Blue Grass Breather system, P/N 9932, for correct installation of this air filter kit.

STEP 2 Remove the stock air cleaner assembly, mounting hardware, and hoses. The stock air cleaner cover will be re-used. Remove the gasket from the face of the throttle body or carb.

STEP 3 On the new backing plate, install the two breather hoses in the orientation shown in PIC 1. If you are installing the Street Sleeper II on a carbureted bike, or are not using the supplied breather bolts and hoses, use the included Black Rubber Vacuum caps over the nipples on the backing plate.

STEP 4 Attach the breather hose (or Black Rubber vacuum cap on carbureted bikes) retainer (Chrome Steel Tube Tie) with the supplied #8-32 Button Socket Head Bolt and Washer and tighten PIC 2. The dropped center of the retainer goes towards the backing plate.

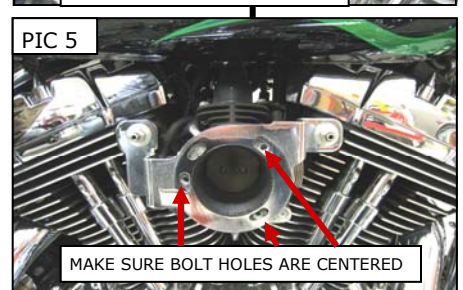
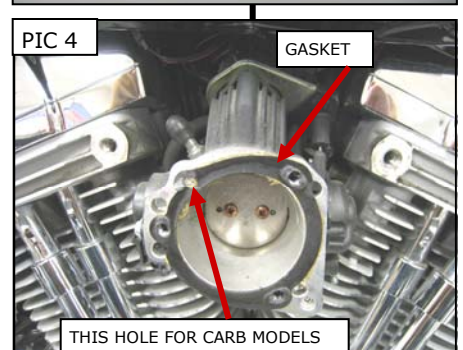
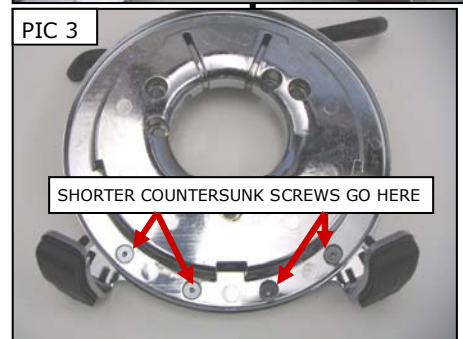
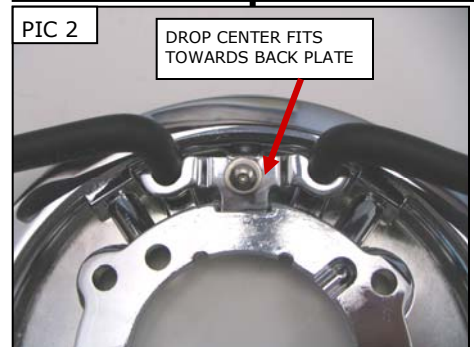
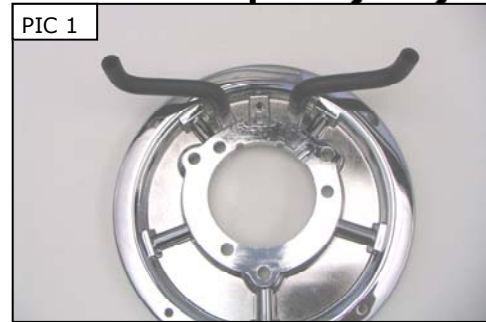
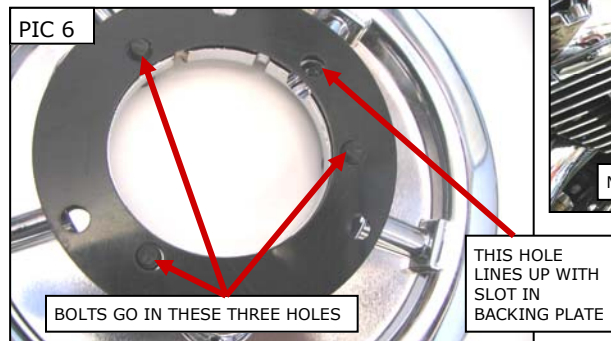
STEP 5 Insert the rubber vibration skids to the composure strap and attach the composure strap to the back of the backing plate with the 4 supplied #8-32 X .3125" (shorter) Countersunk Socket Cap Screws. PIC 3 These will enter through the front of the backing plate and thread to the composure strap.

STEP 6 Locate the gasket. Hold the gasket (as shown in PIC 4) to the flange of the air intake, make sure you line up the holes of the gasket with those on the air intake. PIC 4 Set the mounting bracket into position, then thread in the supplied breather bolts, or install the Blue Grass breather on carbureted bikes, to attach the bracket to the heads. Make sure the bolt holes in the carb/throttle body are in the center of the slots in the bracket and the gasket is between the carb/throttle body and the mounting bracket. PIC 5 Tighten breather bolts.

STEP 7 Insert the 1/4"-20 x 3/4" fasteners through the correct mounting holes from the front of the backing plate, see PIC.6

STEP 8 Place the air lock ring over these from the back side. PIC 6 The Air Lock Ring will act as a gasket between the backing plate and the bracket, **no extra gasket** will be needed here. Attach the backing plate assembly over the bracket to the throttle body or carb. Attach the two breather hoses from STEP 4 to the breather bolts from STEP 3. Tighten securely.

NOTE When installing the air lock ring, be sure the unused hole in the air lock ring lines up with the float bowl vent slot, at the 10 o'clock position. PIC 6



STEP 9 Line up the Velocity Plate on the front of the backing plate so the slots in the edge line up with the slots on the backing plate and the cut out is lined up with the three openings in the top of the backing plate. PIC 7

STEP 10 Install the Spider Bracket over the slots in the backing plate and Velocity Plate. Then attach it to the backing plate with the supplied #8-32 X 3/8" (longer) Countersunk Socket Cap Screws. PIC 8

STEP 11 Install the outer portion of the air filter to the backing plate. This will snap in place over the Velocity Ring. Install the center portion of the filter to the outer portion. There is a Hex cut into the back center of the center filter that will fit over the Hex post on the Spider Bracket. Rotating the filter will allow this post to fall into the cut-out.

STEP 12 Place the Knurled Drum into the center of the X Vibration Dampener. PIC 9 Insert the supplied Custom Button Head Bolt through the front of the air filter cover. From the back of the cover, slide the X Dampener, with Knurled Drum installed, over the bolt and attach to the Spider Bracket. Tighten securely. PIC 9

STEP 13 **Check all hose connections and tighten all hardware. Rotate the throttle open and make sure it returns correctly before starting the motorcycle.**

ATTENTION! Proper tuning is important. We recommend carbureted bikes should be rejetted and fuel injected bikes should be tuned with a TTS MasterTune tuning system (calibrations available at www.kuryakyn.com), or by an experienced tuner, on a dyno, with an exhaust gas analyzer. 2007 and later Harley Twin Cams run especially lean combined with retarded ignition timing. Lean conditions and/or retarded ignition timing will cause high exhaust temperatures and discolor chrome exhaust.

ATTENTION! It is the installer's responsibility to ensure that all of the fasteners (including pre-assembled) are tightened before operation of the motorcycle. Kuryakyn will not warranty components 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.

