



# INSTALLATION

## MACH 2 AIR CLEANER KIT

## 9871

### PARTS INCLUDED

- 1 Mach 2 Air Cleaner Assembly
- 1 Hardware Kit Containing
  - 5 1/4"-20 x 3/4" Socket Head Cap Screws
  - 3 1/4"-20 x 1" Socket Head Cap Screws
  - 3 1/4"-20 x 1-1/4" Socket Head Cap Screws—**NOT USED**
- 1 Air Lock Ring
- 2 1/8" Straight Fittings
- 1 Kuryakyn Emblem
- 1 Zombie Emblem
- 1 Emblem Mounting Ring
- 1 Dual Velocity Ring
- 1 Filter Element
- 2 Breather Bolts
- 2 Formed Breather Hoses
- 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 NOTICES 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.**

#### NOTICE

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

#### NOTICE

**IF INSTALLING THIS PRODUCT FOR ANOTHER PARTY, PLEASE MAKE SURE THEY RECEIVE THIS COPY OF THE INSTALLATION INSTRUCTIONS SO THEY ARE AWARE OF THE IMPORTANT INFORMATION CONTAINED IN THEM.**

### TOOLS SUGGESTED

Set of Hex Wrenches, Set of 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.

#### 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.**

#### NOTICE

**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, so it is important to familiarize yourself with the new riding position.**

### 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. L.E.D.'S contained in components of Kuryakyn 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.

• 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

For purchasing Kuryakyn® products, you can receive a complete catalog free of charge.

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

©2005 Kuryakyn USA® All Rights reserved.



kuryakyn.com

## NOTICE

Proper tuning is important. We recommend fuel injected bikes should be tuned with a TTS MasterTune tuning system (calibrations available at [www.kuryakyn.com](http://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.

**Kuryakyn**

### STEP 2

Remove the stock air cleaner so that the throttle body is completely exposed. Be sure to scrape any gasket material that may be left on the throttle body flange.

### STEP 3

As shown in PIC 1, install the breather bolts to the threaded holes in each cylinder. Tighten securely.

### STEP 4

Install the straight fittings to the backing plate as shown in PIC 2, connect the formed breather hoses to the straight fittings on the backing plate.

### STEP 5

As shown in PIC 3, hold the flat Air Lock Ring in place against the throttle body flange. Line up the holes from the air lock ring with the threaded holes in the throttle body flange. The Air Lock Ring also acts as a gasket in this location, **SO NO OTHER GASKET IS USED.**

### STEP 6

Using the 1/4"-20 x 1" Socket Head Cap Screws, secure the backing plate to the throttle body flange as shown in PIC 4. Be sure that the air lock ring is in place between the backing plate and the throttle body flange. Tighten the hardware.

### STEP 7

Snap the dual velocity ring in place. The ring should be positioned as shown in PIC 5 with the open hole positioned in the 10 o'clock position.

### STEP 8

As shown in PIC 6, connect the formed breather hoses (installed in Step 4) to the breather bolts installed in Step 2.

### STEP 9

Install the air filter to the backing plate. The air filters press on and should hold in place.

### STEP 10

Install the screen mesh inside the Mach 2 cage and hold in place over the air filter installed in Step 9.

### STEP 11

it

Secure using the chrome 1/4"-20 x 3/4" Socket Head Cap Screws. Tighten all hardware. Remove the back from either the Kuryakyn or Zombie disk and attach to the center of the cage. PIC 7

### STEP 12

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

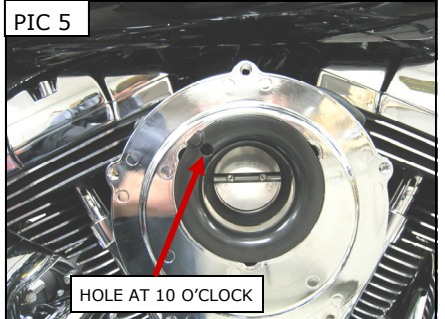
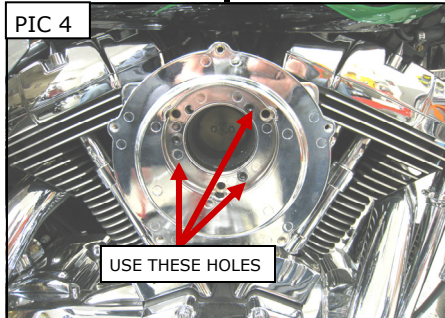
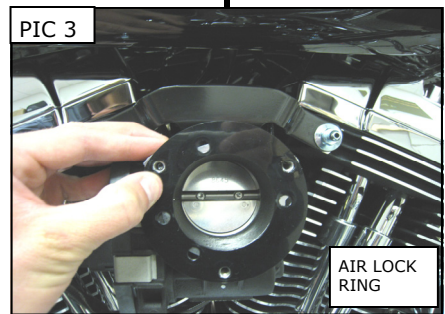
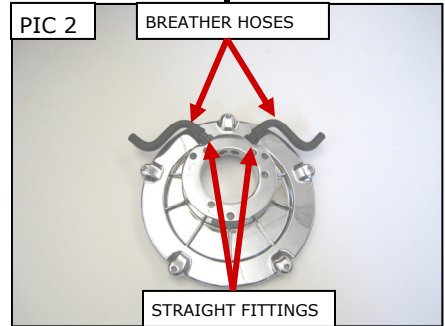
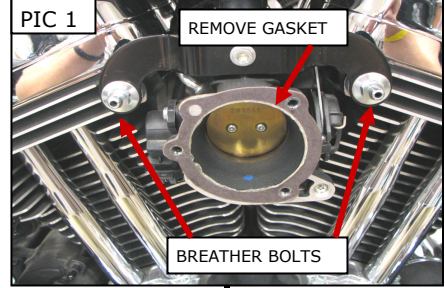
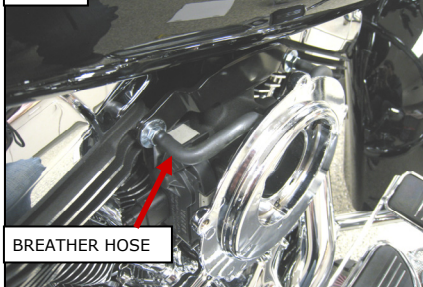
## WARNING

**ROTATE THROTTLE AND CHECK THAT IT MOVES FREELY AND RETURNS TO CLOSED BEFORE STARTING BIKE. FAILURE OF THE THROTTLE TO RETURN COULD RESULT IN LOSS OF CONTROL CAUSING SERIOUS INJURY OR DEATH.**

## NOTICE

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 provide warranty coverage on products or components lost due to improper installation or lack of maintenance. Periodic inspection and maintenance are required on all fasteners.

PIC 6



PAGE  
2

-cont.-

**MACH 2 AIR CLEANER**

**INSTALLATION**

**Mach 2 with Medallion**

- STEP 1** Follow Steps 1- 9 above.
- STEP 2** Flip the Mach 2 cage over (PIC 8) and remove the 5 small screws. Be careful not to lose any hardware during this step, the screws are very small.

**NOTE: Remove the center star section and the 5 "L" shaped pieces. PIC 9**

- STEP 3** As shown in PIC 10, place the adapter ring in place on the front side of the cage and secure using the 5 small screws removed in Step 2 from the backside.
- STEP 4** Install the screen mesh inside the Mach 2 cage and hold in place over the air filter installed on the backing plate.
- STEP 5** Secure using the chrome 1/4"-20 x 3/4" Socket Head Cap Screws. Tighten all hardware.

- STEP 6** **Check all hose connections and tighten all hardware. Rotate the throttle open and make sure it returns correctly before starting the motorcycle.**

**WARNING** ROTATE THROTTLE AND CHECK THAT IT MOVES FREELY AND RETURNS TO CLOSED BEFORE STARTING BIKE. FAILURE OF THE THROTTLE TO RETURN COULD RESULT IN LOSS OF CONTROL CAUSING SERIOUS INJURY OR DEATH.

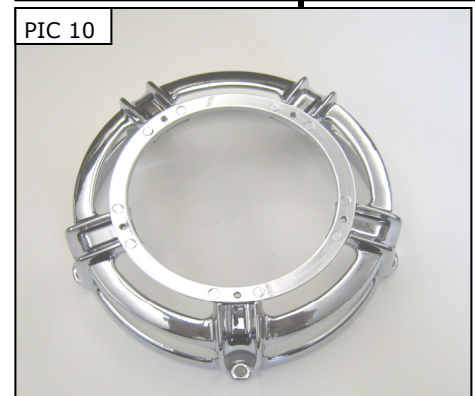
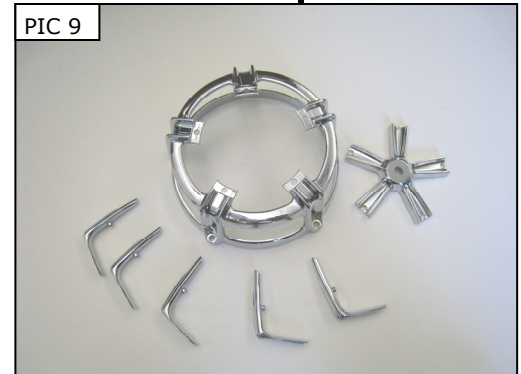
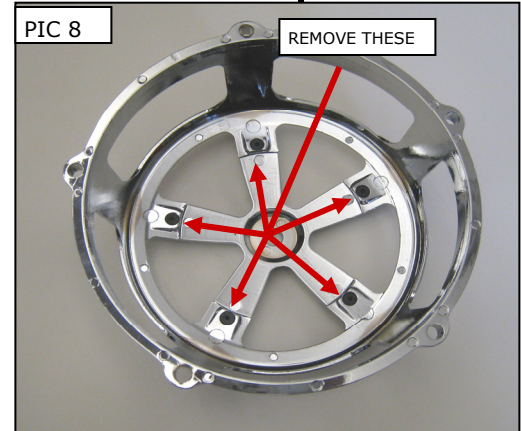
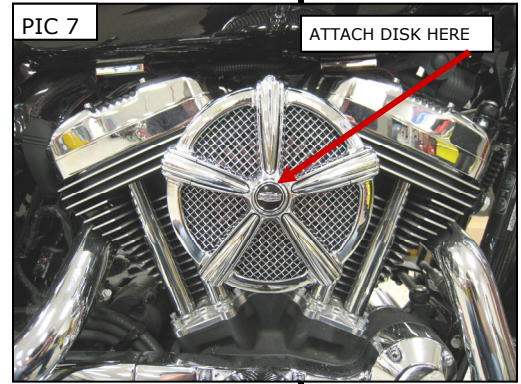
**NOTICE** It is the installer's responsibility to ensure that all of the fasteners (including pre-assembled) are tightened before operation of the motorcycle. Küryakyn will not provide warranty coverage on products or components lost due to improper installation or lack of maintenance. Periodic inspection and maintenance are required on all fasteners.

**NOTICE** Ensure the area of installation is free of grease, oil, dirt or other debris including wax/polish products and bugs to ensure proper adhesion. Küryakyn WILL NOT issue a warranty on any parts lost due to improper installation.

**NOTICE** The adhesive will not bond correctly if applied at temperatures less than 50°F. Do not attempt this installation in temperatures less than 50°F.

- STEP 7** Clean the face of the adapter ring with an ammonia based cleaner such as window cleaner. Dry the mounting area completely.

- STEP 8** Remove the tape backing on the medallion, position the medallion as desired and apply to the adapter ring. Press and hold in place for one minute. Full bonding strength will occur in 24 hours.



*Ride On!*