MACH 2 AIR CLEANER KIT 9453

PARTS INCLUDED

1	Mach 2 Air Cleaner Assembly
1	Hardware Kit
5	1/4”-20 x 3/4" Socket Head Cap Screws
3	1/4”-20 x 1" Socket Head Cap Screws—**NOT USED**
3	1/4”-20 x 1 1/4" Socket Head Cap Screws
1	Air Lock Ring
2	1/8" Line Fitting
1	Kuryakyn Emblem
1	Zombie Emblem
1	Mach 2 Ring Adapter
1	Dual Velocity Ring
1	Filter Element
1	Carb Support Bracket
2	TC Style Breather Bolts
1	Gasket
2	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.**

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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 breech 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 manufacturer¹s 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.

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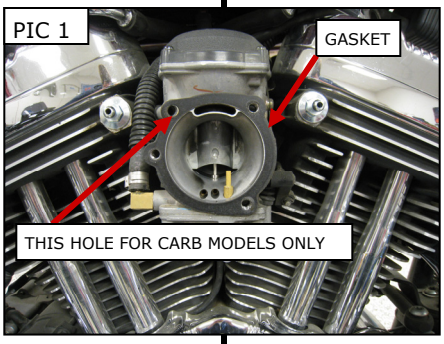
NOTICE **Proper tuning is important. We recommend carbureted bikes should be rejetted and fuel injected bikes should be tuned with a TTS MasterTune tuning system (calibrations available at www.kuryakyn.com), or by an experienced tuner, on a dyno, with an exhaust gas analyzer. 2007 and later Harley Twin 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.**

NOTE: Pictures are of a Twin Cam. Sportster motors will be similar.

STEP 2 Remove the stock air cleaner so that the carburetor is completely exposed. Be sure to scrape any gasket material that may be left on the carburetor flange.

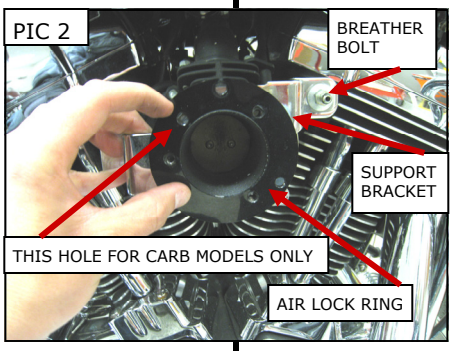
STEP 3 Locate the gasket. Hold the gasket (as shown in PIC 1) to the flange of the air intake, make sure you line up the holes of the gasket with those on the air intake.

PIC 1



STEP 4 As shown in PIC 2, mount the chrome support bracket in place and secure using the breather bolts provided. Make sure the gasket is between the mounting bracket and the carb. Make sure the holes on the carburetor flange are in the center of the slots of the chrome bracket and tighten breather bolts.

PIC 2

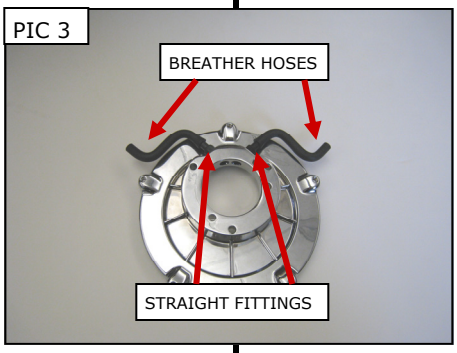


NOTICE **Be sure the support bracket contacts each head when it is in place across the front of the carb. If there is a gap between the heads and the support bracket, push the carb inward to eliminate this gap. Tightening the breather bolts when a gap is present here will likely result in a broken bracket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

STEP 5 Install the straight fittings to the backing plate as shown in PIC 3, connect the formed breather hoses to the straight fittings on the Mach 2 backing plate.

STEP 6 As shown in PIC 2, hold the flat air lock ring in place against the mounting bracket. Line up the holes from the air lock ring with the threaded holes in the carburetor flange.

PIC 3

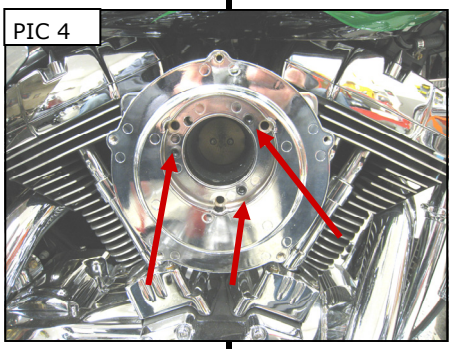


STEP 7 Using the 1/4”-20 x 1-1/4" Socket Head Cap Screws, secure the backing plate to the carburetor flange as shown in PIC 4. Be sure that the air lock ring is in place between the backing plate and the carburetor flange. Tighten the hardware.

STEP 8 As shown in PIC 5, 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 9 As shown in PIC 6, connect the formed breather hoses (installed in Step 5) to the breather bolts installed in Step 2.

PIC 4



STEP 10 Install the air filter to the backing plate. The air filter is a friction fit.

STEP 11 Install the screen mesh inside the Mach 2 cage and hold in place over the air filter installed in Step 10.

STEP 12 Secure the cage using the chrome 1/4-20 x 3/4" Socket Head Cap Screws. Tighten all hardware. Remove the back from either the Küryakyn or Zombie disk and attach it to the center of the cage. PIC 7

STEP 13 **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.

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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.**

Mach 2 with Medallion

STEP 1 Follow Steps 1-10 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.**

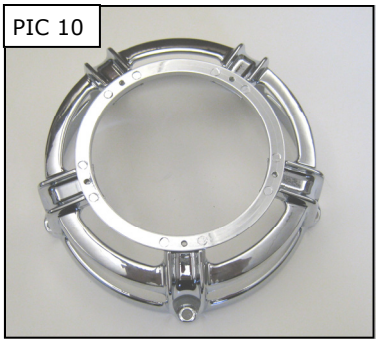
NOTICE **Ensure the area of installation is free of grease, oil, dirt or other debris including wax/polish products and bugs to ensure proper adhesion. Küryakyn WILL NOT issue a warranty on any parts lost due to improper installation.**

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.

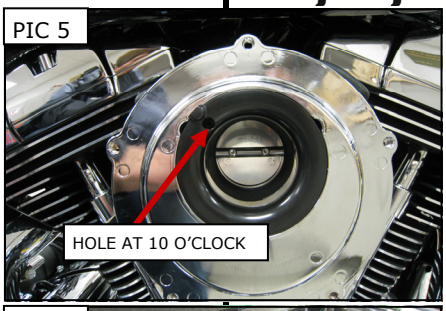
STEP 8 Remove the tape backing on the medallion, position the medallion as desired and apply to the adapter ring. Press and hold in place for one minute. Full bonding strength will occur in 24 hours.

PIC 10

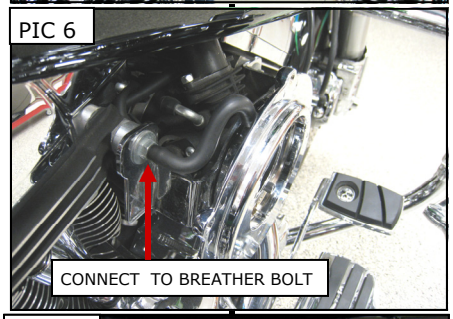


Küryakyn

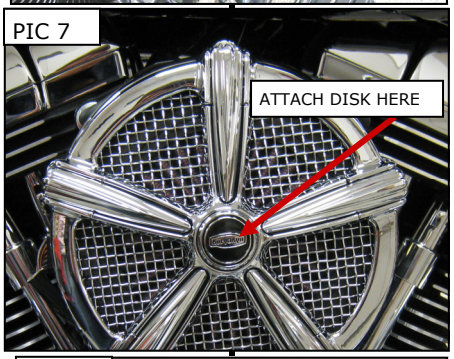
PIC 5



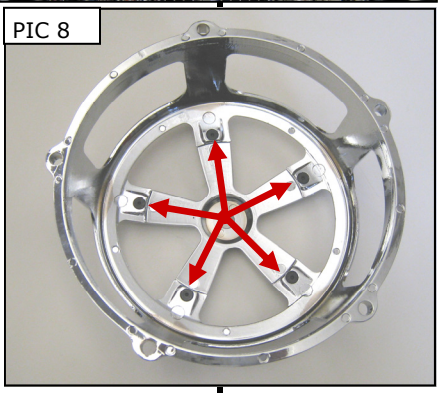
PIC 6



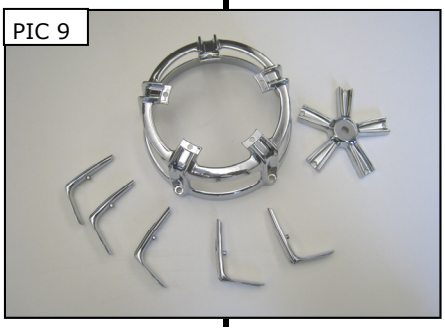
PIC 7



PIC 8



PIC 9



Ride On!