

THANK YOU FOR CHOOSING CRUSHER!

PROTECT YOURSELF AND OTHERS FROM POTENTIAL INJURY AND PROPERTY DAMAGE OR LOSS. PAY CLOSE ATTENTION TO ALL INSTRUCTIONS, WARNINGS, CAUTIONS, AND NOTICES REGARDING THE INSTALLATION, 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 or damage the product itself or the product to which it is being attached.

ENSURE THAT THE FOLLOWING PARTS HAVE BEEN INCLUDED IN THE KIT:

- 1 Front Head Pipe
- 1 Rear Head Pipe
- 1 Front Heat Shield
- 1 Rear Heat Shield
- 1 Bracket (stamped **422-P**)
- 1 Bracket (stamped **423-P**)
- 1 Bracket (stamped **728-P**)
- 2 1/2"-13 x 1-1/4" Socket Head Cap Screws
- 8 Hose Clamps
- 1 Chrome Clamp
- 3 3/8" x 1" x 3/16" Washers
- 2 Small T-Bolt Clamp
- 1 Large T-Bolt Clamp
- 1 Barrel Bolt Clamp
- 2 18mm O2 Sensor Bung Plugs
- 1 Nylon Cable Tie
- 1 Installation Instructions

SUGGESTED TOOLS:

Set of hex bit sockets and ratchet, long extension, set of combination wrenches, flat blade screwdriver, snap-ring pliers, ft lbs (Nm) torque wrench

NOTICE

These installation instructions contain important information. Ensure that the end user receives this copy and is aware of its importance for future use.

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. Allow the engine and exhaust system to cool.

▲ WARNING

INSTALLATION REQUIRES CONTACT WITH THE EXHAUST SYSTEM. ENSURE THAT THE EXHAUST SYSTEM HAS FULLY COOLED BEFORE BEGINNING TO PREVENT INJURY.

REMOVE THE EXISTING EXHAUST:

- STEP 2** Remove both left and right saddlebags and set them on a soft, sturdy surface.
- STEP 3** Loosen the bolt from the pinch clamp on the front end of each muffler. Remove the two 5/16" bolts that mount each muffler to the saddlebag supports. Save these parts, they will be re-used.
- STEP 4** Remove the existing mufflers and set them aside.

NOTE: On older models, spread the clamps just enough to remove them.

It may be necessary to use a penetrating lubricant to loosen the muffler from the head pipe.

- STEP 5** On '07-'08 models: Find and unplug the O2 sensor wires from the wiring harness and remove cable tie holding front wire to frame. Feed the end of the wires through the frame so they are free from the motorcycle.

NOTE: Pay attention to wire routing for re-installation.

- STEP 6** Remove the right hand floorboard and mounting brackets. Remove both passenger floorboards.

- STEP 7** Loosen the heat shield clamps on both front and rear exhaust pipes.

- STEP 8** Loosen the rear head pipe clamp located behind the rear cylinder. Remove the section of head pipe connecting the left side muffler.

- STEP 9** On '95-'06 models: Remove the clamp holding the front head pipe to the transmission housing.

On '07-'08 models: Remove the nut and carriage bolt holding the front head pipe to the bracket on the transmission housing (save these parts, they will be reused).

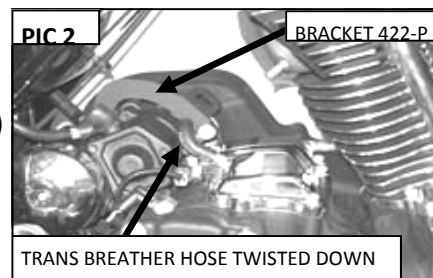
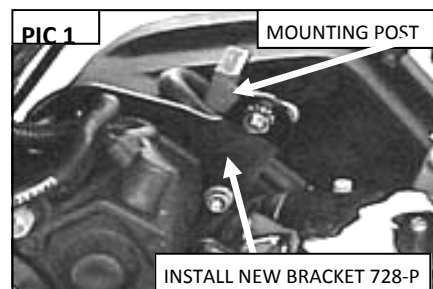
- STEP 10** Remove the two mounting nuts from each head pipe, located at the cylinder head. Carefully remove the head pipes and set them aside.

- STEP 11** On '95-'06 models: Refer to PIC 1. Remove the rear cylinder bracket by removing the two starter mounting bolts. Install new mounting bracket (stamped 728-P), and torque to 13-16 ft lbs (17.63-21.69 Nm). . Make sure the battery ground cable is secure and properly routed. Install mounting post (from OEM system) so the nut is accessible from right side of motorcycle and saddle will support underside of exhaust pipe.

NOTE: Pre-1998 models do not come with this mounting post. It can be ordered from the dealer, H/D P/N 65619-98.

On '07-'08 models: Refer to PIC 2. Remove the rear cylinder bracket by removing the two starter mounting bolts. Install new bracket (stamped 422-P) and torque to 13-16 ft lbs (17.63-21.69 Nm). Install mounting post (from OEM system) so the nut is accessible from right side of motorcycle and saddle will support underside of exhaust pipe.

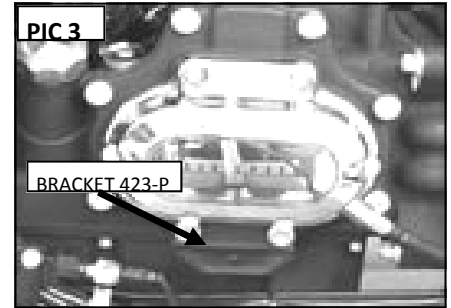
Twist the transmission breather hose down towards the left hand side to get it as far away from the pipe as possible.



STEP 12 Refer to **PIC 3**. On '07-'08 models: Replace the bracket on the transmission housing with new bracket (stamped **423- P**) and **torque to 13-16 ft lbs (17.63-21.69 Nm)**.

STEP 13 Carefully remove the exhaust port flanges and retaining rings from the stock exhaust system using snap ring pliers.

NOTE: Replace bent or damaged retaining rings. Check exhaust port gasket condition. Replace the exhaust gaskets with Crusher Cometic P/N 482 for best performance.



INSTALL THE CRUSHER TRUE DUALS:

STEP 1 Refer to **PIC 4**. Remove head pipes and heat shields from protective packaging. Place each heat shield on a non-abrasive surface such as a blanket or carpet. Using a felt tip pen, mark outside edge of each heat shield to show location of mounting clips that hose clamps (supplied) will loop through.

STEP 2 On '07-'08 models: Refer to **PIC 4 and 5**. Slide the supplied chrome clamp onto the front head pipe so it sits near its installed position.

STEP 3 Refer to **PIC 6**. On the rear head pipe, slide the barrel bolt clamp up the pipe so it sits on the straight section of pipe closest to the cylinder head. When pipe is installed, clamp nut should hang under head pipe and point towards the engine.

STEP 4 On '95-'06 models: Locate the O2 sensor bung plugs and install one in each head pipe.

On '07-'08 models: Apply a small amount of anti-seize compound to the threads of the oxygen sensors and install them into the new head pipes.

NOTE: Be careful not to get anti-seize on sensor tip, it may affect sensor function.

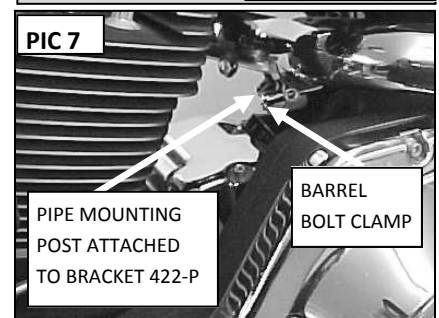
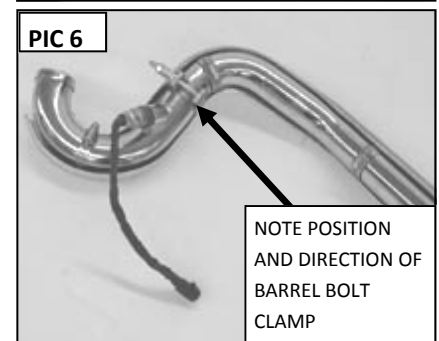
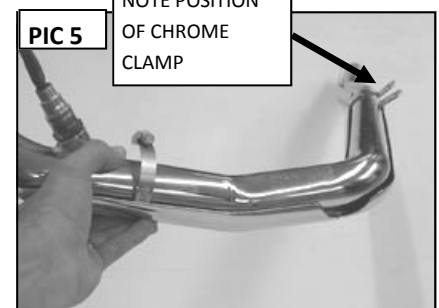
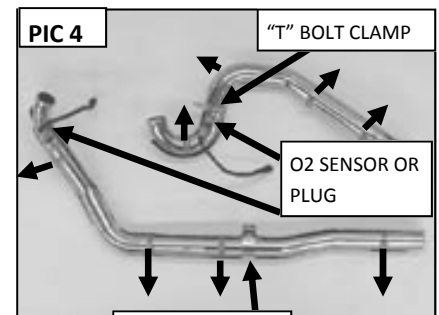
STEP 5 Refer to **PIC 4**. Lay the rear head pipe into the heat shield and install each hose clamp by feeding tail end of clamps into heat shield clips. Take note of location of clamp screw head direction (screw head must be accessible when system is installed for adjustment purposes).

STEP 6 Install the exhaust port flanges and retaining rings onto head pipes.

STEP 7 Check the existing exhaust gaskets to be sure they are in good shape. If you have any doubts as to their condition, replace them. Recommended replacement exhaust port gaskets, Crusher Cometic P/N 482.

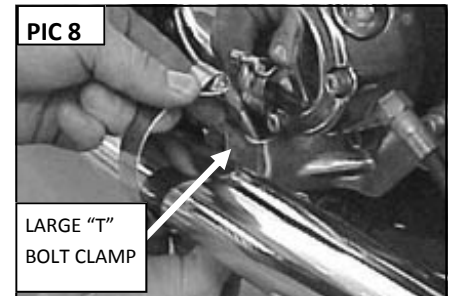
STEP 8 Install the rear head pipe assembly into exhaust port. Use existing flange nuts, do not tighten at this time.

STEP 9 Refer to **PIC 6 and 7**. Slide barrel bolt clamp into position on pipe mounting post attached to rear cylinder bracket, do not tighten at this time.



STEP 10 Install front head pipe into exhaust port, using the existing flange nuts. Do not tighten at this time.

STEP 11 On '95-'06 models: Refer to PIC 8. Install the Large T-bolt clamp onto front head pipe looping through OEM support bracket under transmission cover. Do not tighten at this time.

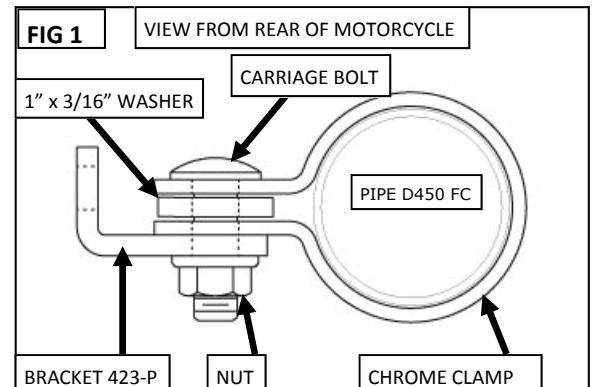


On '07-'08 models: Refer to FIG 1. Install the chrome clamp to bracket 423-P under the transmission cover while sandwiching one of the 1" x 3/16" washers. Do not tighten at this time. On bikes equipped with hydraulic clutches it may be necessary to loosen the bracket in order to slip the carriage bolt through the clamp and bracket.

STEP 12 Install the heat shield onto the front head pipe and loosely tighten the clamps.

STEP 13 Install the small T-bolt clamp over the front of each muffler so the nut faces inward toward the motorcycle.

STEP 14 Slip the muffler over the head pipe and under the heat shield. Mount the muffler to the saddlebag support using the stock 5/16" bolts and tighten.



NOTE: There may be a different muffler for the left and right side of the motorcycle. If so, the dent in each canister should always face in.

STEP 15 Tighten the exhaust port flange nuts. Tighten the chrome and T-bolt clamps on the head pipes.

STEP 16 Adjust the rear cylinder support bracket (if necessary) and tighten the securing nut. Tighten the barrel clamp.

NOTE: This nut is difficult to reach and you may have to determine the mounting post location, remove the pipe and then tighten the nut.

STEP 17 Tighten the two muffler clamps. Tighten the hose clamps securing the heat shields.

STEP 18 On '07-'08 models: Plug O2 sensor wires back into wiring harness and route wires away from hot areas of motorcycle. Use the nylon cable tie to replace removed tie on the front head pipe O2 sensor wire.

STEP 19 Reinstall the right hand floorboard using two 1" x 3/16" washers and 1/2" x 1-1/4" socket head cap screws to space the floorboard away from the front head pipe.

STEP 20 Reinstall both passenger floorboards.

NOTE: Floorboards can be installed in three positions. Install both floorboards at the same height.

STEP 21 Wipe any fingerprints or oil off the exhaust system before starting your motorcycle.

STEP 22 Be sure to tighten all hardware before starting your motorcycle.

KURYAKYN DOES NOT PROVIDE WARRANTY COVERAGE ON DISCOLORED EXHAUST PRODUCTS!

Discoloration is not a defect in chrome.

All chrome exhaust systems will eventually discolor.

Chrome discoloration is a result of heat.

The more heat to which the chrome is exposed, the quicker and more severe the discoloration.

EXHAUST CARE:

1. **Proper tuning is important. Carbureted bikes should be re-jetted and fuel injected bikes should be tuned with a TTS MasterTune tuning system (calibrations available at www.kuryakyn.com) by an experienced tuner, on a dyno, with an exhaust gas analyzer.**

2007 and up Harley-Davidson Twin Cam engines run especially lean combined with retarded ignition timing. Lean conditions and/or retarded ignition timing will cause high exhaust temperatures and discolor chrome exhaust.
2. **Avoid long periods of idling as this can cause discoloration.**
3. **Make sure there are no exhaust leaks at the junction of the exhaust pipes and cylinder heads. We recommend replacing the gaskets with CRUSHER™ - Cometex exhaust gaskets, P/N 482.**
4. **Make sure there are no intake leaks. Intake leaks will cause a lean condition and engine overheating leading to discoloration.**
5. **When installing new chrome exhaust, make sure your hands are clean and free of grease and oil. After installation, thoroughly clean pipes with a soft clean cloth and cleaning solvent that will leave no residue (glass cleaner, alcohol, ammonia, etc...) before starting the motorcycle.**

LIMITED WARRANTY

Küryakyn warrants that any Crusher products sold hereunder, shall be free of defects in materials & workmanship for a period of one (1) year from the date of purchase by the consumer excepting the following provisions:

1. 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.
2. The product must be properly installed, maintained & operated under normal conditions.
3. Küryakyn shall not be liable for any consequential & incidental damages, including labor & 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 & a customer.
4. Crusher products are often intended for use in specific applications. Küryakyn makes no warranty if a Küryakyn product is used in applications other than intended.
5. Crusher 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 & workmanship for 3 years from the date of purchase where as all other components shall be warranted for one (1) year.
6. Exhaust systems are warranted for manufacturing defects only. There is no warranty on exhaust pipes & mufflers with regard to any discoloration. Discoloration or "bluing" is caused by tuning characteristics, exhaust timing, carburetor jetting, overheating, etc. & is not caused by defective manufacturing.
7. 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 & where possible, will expedite the claim on behalf of the customer, but ultimately, responsibility for disposition of the warranty claim lies with the manufacturer.
8. Merchandise purchased directly from Internet auction sites or any other third party seller is considered sold as is & shall not carry a Küryakyn warranty. All warranty claims must be directed to the original seller. If unsure please contact the seller to verify they are an authorized Küryakyn retailer.

RETURN POLICY

Merchandise determined to be defective may be returned up to one year from the date of purchase. Returns must be processed through original seller. Returned merchandise for any other reason other than warranty claims must be in like new condition & subject to a 20% restocking fee. All returns are subject to inspection for determination of full or partial credit. Any returned part that shows evidence of being used or installed contrary to manufacturer's instructions, &/or subjected to improper handling, packaging or return shipping by the customer, will not be eligible for exchange, refund or warranty consideration. All returned electrical items will be inspected & tested. If electrical item is deemed functional, no credit will be issued & item will be returned. All sales are final on discontinued or closeout merchandise.

RETURN INSTRUCTIONS

Contact one of our prompt, courteous Customer Service representatives toll free at 866-295-5759. Be sure to have the following information available when you call:

- Name
- Part number/s to be returned
- Copy of original invoice
- Reason for return

1. Obtain R.M.A. number which shall remain active & valid for 60 days. (Important: Issuance of R.M.A. does not represent an authorized credit.)
2. Carefully package merchandise to avoid damage during shipment. Depending on its condition, original packaging may not be sufficient.
3. Ship only those items for which the R.M.A. has been issued.
4. Write the R.M.A. number prominently on the outside of package.
5. Ship package freight PREPAID (C.O.D.s will not be accepted) to:

Kuryakyn 454 County Road V V Somerset, WI 54025