

**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 Power Cell Header Assembly
- 1 Front Heatshield
- 1 Rear Heatshield
- 1 90 Degree Heatshield
- 1 Straight Heatshield
- 1 Power Cell Heatshield
- 1 Cross-pipe Header Assembly
- 1 Cross-pipe Heatshield
- 2 Large Clamps
- 12 Small Clamps
- 1 Large Band Clamp
- 2 18mm O2 Sensor Bung Plugs—Larger
- 2 12mm O2 Sensor Bung Plugs—Smaller
- 1 3/8"-16 x 3" Socket Head Cap Screw
- 1 3/8" Lock Washer
- 1 Floor Board Spacer (stamped **593-P**)
- 1 Nut Plate
- 2 3/8" X 1" x 3/16" Washer
- 2 5/16"-18 X 5/8" Flange Head Bolts
- 2 Nylon Cable Tie
- 1 Mounting Bracket Stamped **589-P**
- 1 Crossover Bracket Stamped **564-P**
- 1 3/8" -16 X 1-1/4" Flange Head Bolt
- 1 Chrome Clamp
- 2 3/8" Flat Washer
- 1 3/8"-16 Lock Nut
- 1 Rubber Loop Clamp
- 1 Installation Instructions

**SUGGESTED TOOLS:**

Flat Blade Screwdriver, 5/16" Nut-driver, Set of Combination Wrenches, Set of Hex Wrenches, Snap-ring Pliers, Ft./Lb. Torque Wrench, Set of Sockets, Hex bit sockets and Ratchet

**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 EXISTING EXHAUST:**

**STEP 2** Remove both left and right saddlebags and set them aside on a clean, soft, and sturdy surface.

**STEP 3** Refer to **PIC 1**. Loosen the bolt from the pinch clamp on the front end of each muffler.

**STEP 4** Refer to **PIC 2**. Remove the two 5/16" screws that mount the muffler to the saddlebag supports. Repeat this step on the opposite muffler.

**STEP 5** Remove the existing mufflers and set them aside.

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

**STEP 6** Remove the brake-side (right) side-cover and unplug the O2 sensor wires from the wiring harness; 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 7** Remove the right-side floor board and brackets.

**STEP 8** Remove the right-side passenger floor board.

**STEP 9** Refer to **PIC 3**. Remove the rear head-pipe clamp and exhaust support clamp located behind the oil pan, set the 1/4"-20 x 3/4" screws aside for reuse.

**STEP 10** Refer to **PIC 3**. Secure the included Crossover Bracket Stamped **564-P** at behind the oil pan with the existing 1/4"-20 x 3/4" screws removed in **STEP 9**.

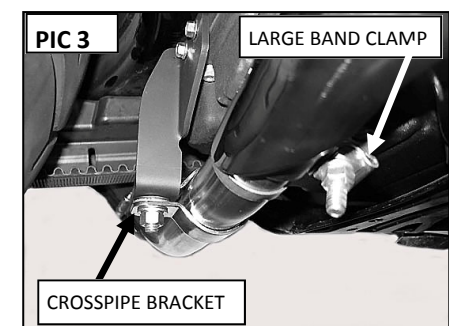
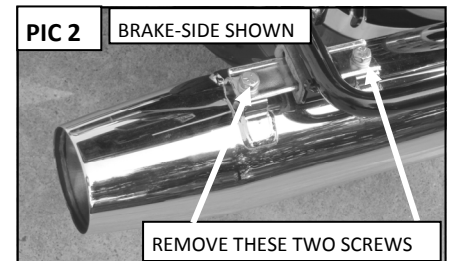
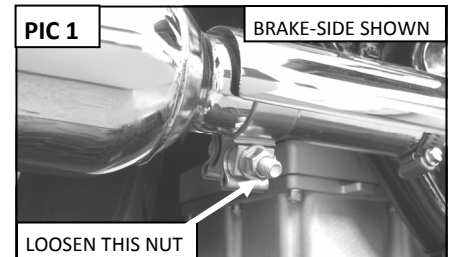
**STEP 11** Loosen the nut and carriage bolt holding the front head pipe to the bracket on the transmission housing.

**STEP 12** Loosen the heat shield clamps on the existing front and rear exhaust pipes.

**STEP 13** Remove the two flange nuts located at the cylinder head to release each head-pipe. Carefully remove the head pipes and set them aside.

**STEP 14** Carefully remove the O2 sensors from the existing head-pipes and save for re-use with the new system.

**STEP 15** Use snap-ring pliers to carefully remove the exhaust flange and retaining rings from both of the existing exhaust pipes.



**NOTE:** Replace bent or damaged retaining rings. Replace the exhaust gaskets with Crusher-Cometic P/N 482 for best performance.

**STEP 16** Refer to **PIC 4**. Replace the bracket on the transmission housing with the included Mounting Bracket Stamped **589-P** and **torque to 13-16 ft. lbs.**

## CRUSHER POWER CELL INSTALLATION:

**STEP 17** Refer to **PIC 5**. Remove the head pipes and heat shields from the protective packaging. Place each heat shield on a soft, sturdy surface such as blanket or carpet. Using a non-permanent marker, mark outside edge of each heat shield to show location of mounting clips that clamps will loop through.

**STEP 18** Refer to **PIC 6 and 7**. Lay the head pipes into the heat shields and loosely install the small clamps into the mounting clips. The clamp screw-heads should be accessible when the system is installed on motorcycle for adjustment purposes. Do not tighten at this time.

**NOTE:** The Power Cell heat shield should be installed with the scalloped end towards the collector.

The Power Cell heat shield uses the large clamps and can be installed after the header is installed.

**STEP 19** Apply a small amount of anti-seize compound to the threads of the O2 sensors and install them in the new head pipes.

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

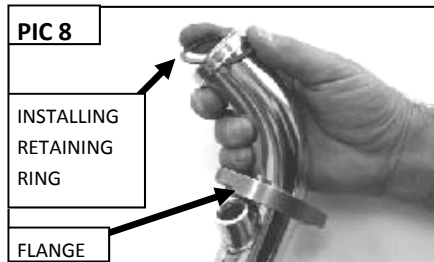
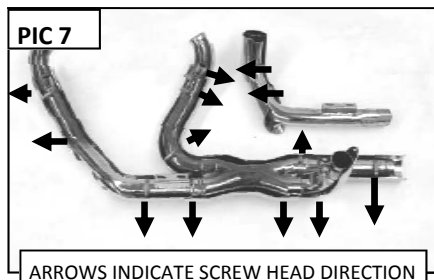
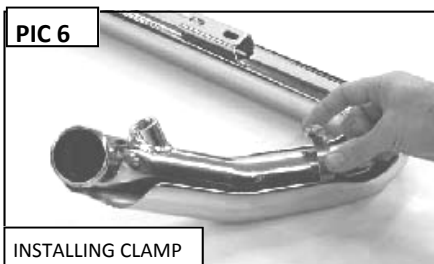
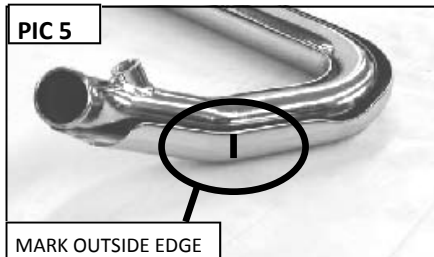
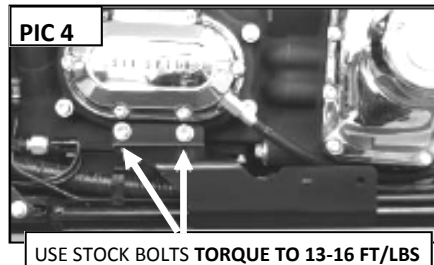
**ON '09 MODELS:** Install the included 12mm (smaller) O2 Sensor Bung Plugs.

**ON '10-LATER MODELS:** Install the included 18mm (larger) O2 Sensor Bung Plugs.

**STEP 20** Refer to **PIC 8**. Install retaining rings and flanges from existing exhaust system onto the new head pipes.

**STEP 21** Carefully install head pipes onto motorcycle; secure them with the existing flange nuts. Do not tighten at this time.

**STEP 22** Refer to **PIC 9**. Use the nut plate and the two 5/16" x 5/8" flange bolts (supplied) to attach the pipes to the bracket. Do not tighten at this time.



**STEP 23** Tighten the exhaust flange nuts and the 5/16" x 5/8" flange head bolts.

**STEP 24** Refer to **PIC 10**. Install the included Large Band Clamp, with the nut facing down, on the expanded end of the front head pipe.

**STEP 25** Carefully slip the end of the new Cross-pipe through the included chrome Clamp and into the expanded portion of the front head pipe.

Refer to **PICS 1 and 11**. Using the included 3/8"-16 X 1-1/4" flange head bolt, 3/8" flat washer, 3/8"-16 lock nut and one of the included 3/8" X 1" X 3/16" thick washers, attach the Chrome clamp to the **564-P** bracket in **STEP 10**. Tighten the Large Band Clamp and Cross-pipe Clamp securely.

**STEP 26** Install the mufflers onto both head pipes and secure with the stock 5/16" bolts and lock washers.

**STEP 27** Check alignment of mufflers and make corrections as required.

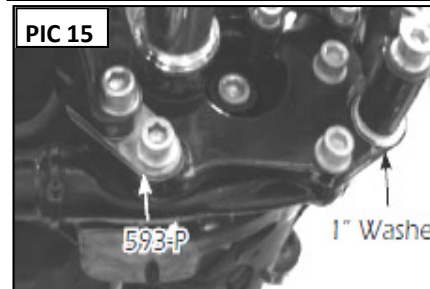
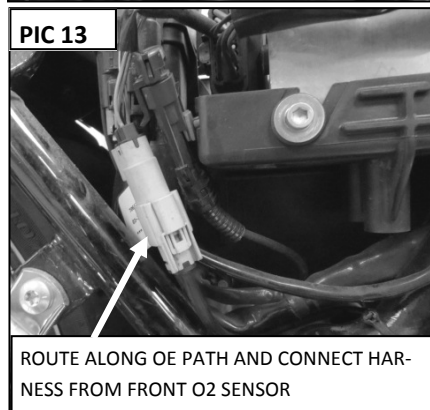
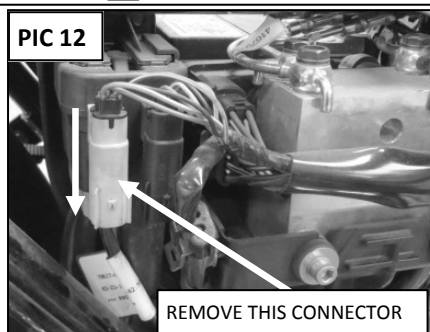
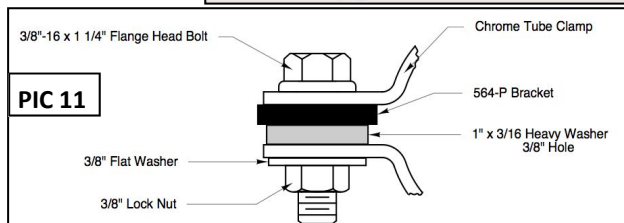
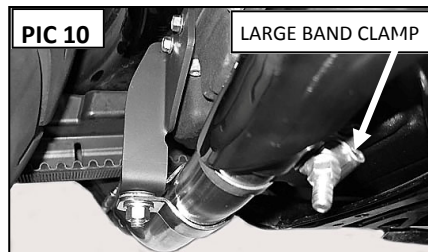
**STEP 28** Refer to **PIC 12**. Route the harness from the front O2 sensor along the original path and plug it into the Grey connector. **PIC 13** Route the rear O2 sensor (Black) harness along the top of the transmission, along the original path, and plug it into the Black connector.

Refer to **PIC 14**. Loosen the rear transmission top cover screw and install the supplied wire fastener; capture the rear O2 wire. Secure wires to the frame using supplied nylon cable ties.

**STEP 29** Refer to **PIC 15**. Re-install the right-side floor board brackets using the existing 3/8"-16 x 1 1/4" bolt in the rear bracket with the included Floor Board Spacer (stamped **593-P**). Use the included 3/8"- 16 x 3" bolt, 3/8" lock washer and the 3/8" X 1" x 3/16" large washer to install the front bracket.

**STEP 30** Re-install the right side passenger floor board. Re-install the saddlebags. Be sure to tighten all hardware before starting your motorcycle.

**STEP 31** After installation and before starting the motorcycle, completely clean pipes and mufflers with cleaning solvent and a clean soft cloth that will not leave residue.



**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.**

**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