

**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 Header
- 1 Rear Header
- 1 Front Heat Shield
- 1 Rear Heat Shield
- 1 Rear Bracket
- 2 O2 Adapter
- 2 Nut Plate
- 4 5/16"-18 X 5/8" Flange Bolts
- 1 Cable Tie
- 1 Installation Instructions

**SUGGESTED TOOLS:**

Snap ring pliers, set of combination wrenches, socket set and ratchet, hex wrenches, set of Torx wrenches, ft lbs and in lbs torque wrenches

**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.

**REMOVE EXISTING EXHAUST SYSTEM**

**⚠ WARNING**

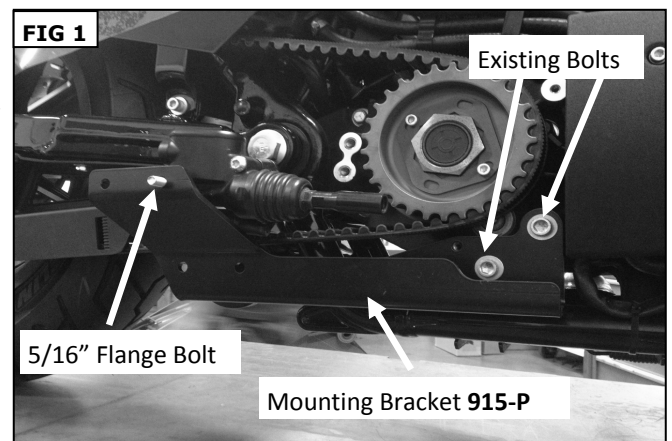
**INSTALLATION REQUIRES CONTACT WITH THE EXHAUST SYSTEM. ENSURE THAT THE EXHAUST SYSTEM HAS FULLY COOLED BEFORE BEGINNING TO PREVENT INJURY.**

**NOTE:** These instructions are written for late model motorcycles equipped with O2 sensors. If you are installing these pipes on a bike which is not equipped with O2 sensors, ignore all instructions which reference them.

- STEP 2 Find and unplug the O2 sensor wires from the wiring harness and remove the nylon cable tie holding 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 3 Loosen the heat shield clamps on both the front and rear exhaust pipes. This allows easier access to the headpipe mounting nuts.
- STEP 4 Remove the two headpipe mounting nuts from each flange, located at the cylinder head.
- STEP 5 Remove the clamp bolt that mounts the rear headpipe to the belt drive cover bracket.
- STEP 6 Remove the two bolts from each muffler body where they attach to the mounting bar. Carefully remove the exhaust pipes from the motorcycle and set aside.
- STEP 7 Carefully remove the O2 sensors from the existing headpipes; set them aside, they will be re-used.
- STEP 8 Remove the drive belt cover and take the bracket off of the rear cover bolt; the bracket will not be reused.
- STEP 9 Loosen the brake rod at the rear eyelet using a T30 Torx driver (2013 and earlier) or remove the circlip and pin (2014).
- STEP 10 Remove the three mount bolts and washers attaching the exhaust mount to the transmission; set them aside, they will be re-used.
- STEP 11 Carefully remove the exhaust port flanges and circlips from the existing exhaust system using snap-ring pliers.
- NOTE:** Replace bent or damaged circlips. Check exhaust port gasket condition, replace if needed.

## INSTALL CRUSHER EXHAUST

- STEP 12 Install and tighten the supplied mounting bracket (stamped **915-P**) using existing washers and bolts. Only two existing bolts will be reused. **Torque to 30-33 ft lbs (40.67-44.74 Nm)**. Install one 5/16" x 5/8" flange bolt in the forward hole. (FIG 1)
- STEP 13 Reinstall the drive belt cover. **Torque the 3/8" bolt to 30-33 ft lbs (40.67-44.74 Nm)**.
- Torque the two 1/4" bolts to 80-120 In lbs (9.04-13.56 Nm)**.



- STEP 14      **FOR 2013 AND EARLIER:** Reinstall the brake rod eyelet using the removable thread-locking compound (Loctite® 243 recommended). **Torque to 80-120 In lbs (9.04-13.56 Nm).**
- FOR 2014:** Insert the lock pin and circlip in the rear position on the brake rod.
- STEP 15      Remove the pipes from the protective packaging. Place each header on a non-abrasive surface such as a blanket or carpet.
- STEP 16      Apply a small amount of an anti-seize compound to the threads of the O2 sensors and install them into the new head pipes. Models using 12mm oxygen sensors, install 18mm to 12mm oxygen sensor adapters (supplied). Models using 18mm sensors, install directly into the headpipe. Models not using oxygen sensors, install 18mm plug.
- NOTE:**                      Be careful not to get anti-seize on the sensor tip, if may affect sensor function.
- STEP 17      Install the circlips and flanges from the existing system onto both new headpipes.
- STEP 18      Carefully install headpipes into the exhaust ports (assistance may be required). Secure with the existing flange nuts.
- NOTE:**                      Do not tighten at this time.
- STEP 19      Slide nut plates inside brackets welded to the backside of the muffler bodies. While holding nut plates in place, attach the muffler bodies to mounting bracket **915-P** using four 5/16" x 5/8" flange head bolts (supplied). Leave them loose at this time.
- STEP 20      Tighten the cylinder port exhaust flange nuts on the front and rear cylinders while making sure pipes are parallel.
- STEP 21      Tighten 5/16" x 5/8" flange head bolts attached to the bracket nut plates.
- STEP 22      Plug the O2 sensors back into the wiring harness and route the wires away from hot areas of the motorcycle.
- STEP 23      Install a new nylon cable tie (supplied) to hold the front wire onto the frame in the original location.
- STEP 24      Check for adequate clearance of all exhaust system components and motorcycle accessories prone to heat damage.

**NOTICE**

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

**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](http://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™ - Cometic 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