

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 Crusher TC-23D Bolt-In Cam Set
- 2 Inner Cam Bearings
- 1 Installation Instructions

NOTICE

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

	Lift (in)	Lift at TDC (in)	Opening (degrees)	Closing (degrees)	Duration (degrees)	Lobe Center (degrees)
Intake	.548"	.153"	13°	29°	222°	98°
Exhaust	.548"	.163"	43°	15°	238°	104°

Crusher TC-23D Bolt-In Cams are designed to give good low- to mid- range torque. A very street-friendly cam.

Refer to and follow the model/year-specific factory service manual for all procedures.

▲ WARNING

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

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) or Vance & Hines FP3 (calibrations available at <http://fp3.vanceandhines.com/> download) 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