



## INSTALLATION INSTRUCTIONS

**KOOL KAPS ENGINE KIT, TWIN CAM/EVO, GLOSS BLACK**

**2452**

### THANK YOU FOR CHOOSING KURYAKYN!

Protect yourself and others from possible 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.

**CAUTION** THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN MINOR OR MODERATE POTENTIAL 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  | Kool Caps Engine Kit—Twin Cam and Evo Including: | 1 | Kool Cap for 5/16" Socket Head Cap Screw                         |
| 49 | Kool Caps for 3/16" Socket Head Cap Screws       | 1 | Kool Cap for 9/16" Hex Head Cap Screw or T30 Torx Head Cap Screw |
| 10 | Kool Caps for 1/4" Socket Head Cap Screws        | 1 | Tube of Silicone Adhesive  |
| 8  | Kool Caps for 7/16" Hex Head Cap Screws          |   |  |
| 14 | Kool Caps for 1/2" Hex Head Cap Screws           |   |  |

**NOTICE** THESE INSTALLATION INSTRUCTIONS CONTAIN IMPORTANT INFORMATION. ENSURE 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. Let motorcycle 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.

*NOTE: Sizes listed for Kool Caps are the wrench size used on the fastener, not the fastener shaft size.*

*NOTE: Not all Kool Caps will be used for every application. If do not use all the Kool Caps in the suggested areas, you may use them on any appropriate sized fastener on the bike. The following are suggested locations.*

*NOTE: Kool Caps are designed to friction fit over SAE fasteners. In case the fit is not tight enough for your satisfaction, we have included silicone adhesive to ensure the Kool Caps stay in place. Apply a small amount of the included silicone to the Kool Cap and press it in place. Remember, silicone expands as it dries, so using a little less will help keep the Kool Cap tight to the fastener head when the silicone dries. The silicone will fully cure in 24 hours.*

**NOTICE** DO NOT USE ANY TYPE OF GLUE TO ADHERE THE KOOL CAPS TO ANY FASTENER, USE ONLY THE INCLUDED SILICONE ADHESIVE.

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#### 3/16" KOOL KAPS

##### TWIN CAM

- 12 Around the primary cover
- 6 Over transmission release cover
- 10 Cam cover bolts on right side
- 8 Lifter cover bolts on right side
- 5 Right side upper trans housing cover bolts
- 1 On trans housing left of the clutch release cover
- 2 Front of regulator mounting bolts
- 2 Front of regulator
- 1 On trans housing right of the clutch release cover
- 1 Speed sensor bolt on top of trans
- 1 Crank position sensor in front of cylinders

##### EVOLUTION

- 12 Around the primary cover
- 2 On trans housing next to the upper left side of the clutch release cover
- 6 On trans release cover
- 8 Top of rocker box covers
- 1 Under triple tree at brake line junction
- 6 Trans side cover right side

#### 1/4" KOOL KAPS

##### TWIN CAM

- 1 Over trans shift lever bolt (left side of trans)
- 4 Below trans side cover on right side
- 1 Front starter mounting bolt on right side
- 3 Front and rear caliper banjo bolts and rear master cylinder banjo bolt (use silicone)

##### EVOLUTION

- 1 Over trans shift lever bolt (left side of trans)
- 4 Below trans side cover on right side
- 2 Oil filter mount (right side)
- 3 Front and rear caliper banjo bolts and rear master cylinder banjo bolt (use silicone)

#### 5/16" KOOL KAPS

##### TWIN CAM

- 1 Frame down tube under seat

##### EVOLUTION

- 1 Front caliper bolt or front tank bolt

#### 7/16" KOOL KAPS

##### TWIN CAM

- 8 Top rocker cover bolts

##### EVOLUTION

#### NOTICE

TO AVOID LOSING THESE TOP ROCKER BOLT COVERS, WE REQUIRE THAT YOU USE THE INCLUDED SILICONE ADHESIVE. PLACE TWO DROPS ON THE INNER STEM OF THE COVER AND FIRMLY PRESS IT ON THE BOLT. ALLOW 24 HOURS FOR THE SILICONE ADHESIVE TO CURE BEFORE STARTING THE MOTOR.

#### 9/16" KOOL KAPS

##### TWIN CAM

- 1 Lower engine to trans bolt

##### EVOLUTION

- 1 Motor mount or exhaust mount

## INSTALLATION INSTRUCTIONS

### KOOL KAPS ENGINE KIT, TWIN CAM/EVO, GLOSS BLACK

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-CONTINUED-

#### 1/2" KOOL KAPS

##### TWIN CAM

- 8 Left side on engine case bolts
- 4 Inner front fender over mounting bolts
- 1 Top of kickstand bolt
- 1 Shift lever bolt (left side)

##### EVOLUTION

- 7 Left side engine case bolts
- 1 Front shift linkage bolt (left side)
- 1 Top of kickstand bolt
- 1 Lower front case bolt on right side of engine
- 2 Upper and lower front oil tank mounting tabs (right side)
- 1 Rear exhaust pipe mount (right side)

#### CAUTION

ENSURE THAT THE INSTALLATION OF THIS PRODUCT DOES NOT INTERFERE WITH THE PROPER OPERATION OF THE MOTORCYCLE BEFORE RIDING.

#### NOTICE

IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THAT ALL OF THE FASTENERS (INCLUDING PRE-ASSEMBLED) ARE TIGHTENED BEFORE OPERATION OF THE MOTORCYCLE. KURYAKYN 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.

#### LIMITED WARRANTY

Kuryakyn warrants that any Kuryakyn 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. Kuryakyn 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. Kuryakyn shall not be liable for any consequential & incidental damages, including labor & paint, resulting from failure of a Kuryakyn product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breach of contract or duty between Kuryakyn & a customer.
4. Kuryakyn products are often intended for use in specific applications. Kuryakyn makes no warranty if a Kuryakyn product is used in applications other than intended.
5. Kuryakyn electrical products are warranted for one (1) year from the date of purchase by the consumer. L.E.D.'s contained in components of Kuryakyn products will be warranted for defects in materials & workmanship for 3 years from the date of purchase whereas all other components shall be warranted for one (1) year.
6. All warranty claims must be directed to the place of purchase. Merchandise sold through internet auction sites or any other unauthorized reseller shall not carry a Kuryakyn warranty. If unsure, please contact the place of purchase to verify they are an authorized Kuryakyn reseller.

#### 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.

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