



Installation Instructions



PRODUCT: JK Upper Rear Bar Pin Eliminator Kit

REV: B | 06-26-2015 | II-7011

READ INSTRUCTIONS IN FULL BEFORE INSTALLATION.

QUESTIONS? CALL 916-631-8071 M-F 7:00 AM – 5:00 PM PST

The MetalCloak experience includes the ease of installation of our products. We design for most contingencies, but installation may be different based on different Jeep condition, configuration and/or year.

We are continually trying to improve our products and instructions – please help us by providing feedback and pictures if you find any part of the instructions that do not match your particular Jeep or are not easily understandable.

If you have any difficulties at all, please give us a call. Thank you and enjoy your MetalCloak Products!

IMPORTANT NOTE: We use Stainless Steel Hardware where possible. Therefore, a tube of Silver Anti-seize is provided and should be used on all bolts—only a small amount is needed.

WARRANTY INFORMATION: This article is sold without warranty expressed or implied. No warranty or representation is made as to this products ability to protect the user from injury or death. The user assumes that risk. The effectiveness, warranty and longevity of this equipment are directly related to the manner in which it is INSTALLED, USED and/or MAINTAINED. THE USER ASSUMES ALL RISK. By purchasing this product and opening the packaging, purchasers expressly acknowledge, understand and agree that they take, select and purchase these MetalCloak products from Armored Works, LLC, its affiliates and distributors and agents as is and with all faults. The entire risk as to the quality and performance of these MetalCloak products is with the purchaser. Working on your vehicle can be a dangerous activity. If you are unsure of what you are doing, please leave mechanical or safety critical work to a skilled mechanic. We take no responsibility for the incorrect use and/or installation of MetalCloak products.

Section 1: Tools & Notes on Installation



Tools Required: This list is the recommended tools for ease of installation. Other versions of the same tool can be used. For example, Allen Wrenches instead of Allen Drive Sockets.



Socket & Ratchet Wrench

17mm Hex Socket/Wrench
18mm Hex Socket/Wrench
19mm Hex Socket/Wrench
3/4" Hex Socket/Wrench



HOW TO USE THIS GUIDE: The installation guide contains ALL steps for installation. Please read and follow the instructions in order of each page top to bottom, and left to right.

Jeep Model: Instructions may apply to multiple Jeep models, but are labeled separately where appropriate (i.e. TJ vs. LJ).

Options: Because of the number of component options we offer, these instructions may contain steps that will not match your particular configuration. You can skip these steps.

Images: Pictures are provided and parts are labeled throughout the instructions. Each text box contains guidance based on the pictures next to it. The text will refer to alphabetical labels (A, B, etc) found in the images.

Installation Notes: Terms may be used in the body of the instructions that you may not be familiar with, if you have any questions feel free to contact us at the number below, or email techhelp@metalcloak.com

QUESTIONS: Any questions or comments about the instructions? Call us at 916-631-8071 M-F 7:00 AM – 5:00 PM PST.

Section 2: Product Components

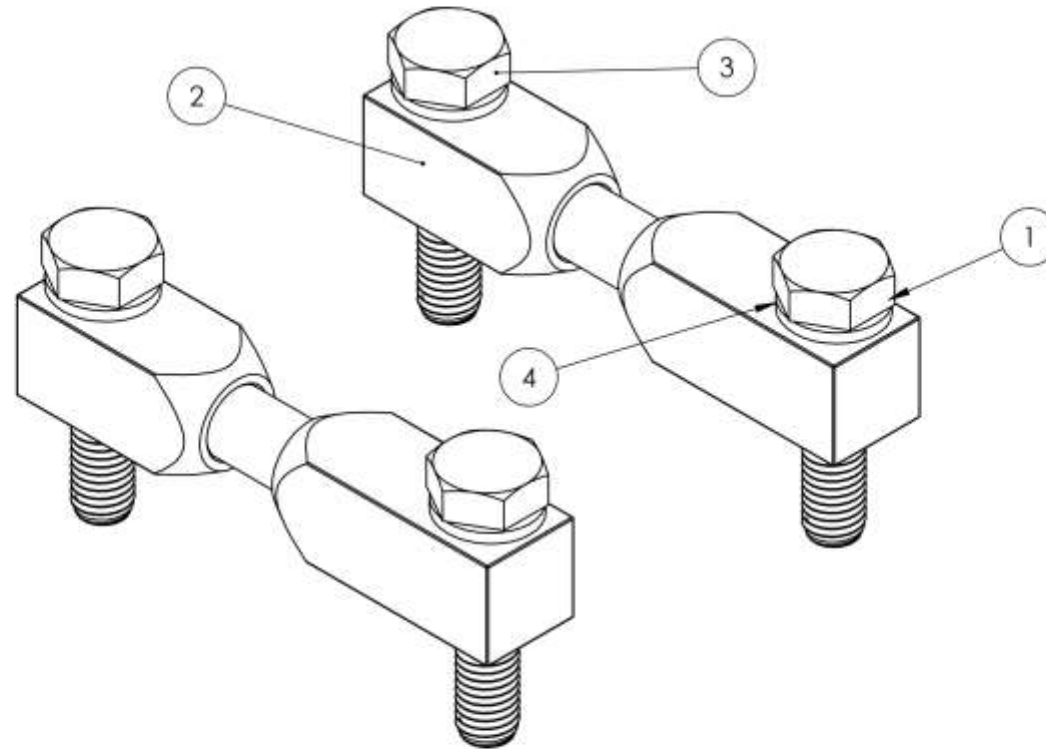


DC-0001 REV A

SHEET 1 OF 2

1) CLEAR PLASTIC BAG AND LABEL PER SHEET 2

ITEM	PART NUMBER/DESCRIPTION	QTY
1	SS-1072 BAR PIN MOUNT, MALE JK UPPER REAR	2
2	SS-1071 BAR PIN MOUNT, FEMALE JK UPPER REAR	2
3	FA-2020 HHCS, M10-1.5 X 45 GRADE 8.8 ZINC PLTD	4
4	FA-2021 SPLIT LOCK WASHER, M10 STEEL ZINC PLTD	4



E
D
C
B
A

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PART NUMBER DESCRIPTION 7011 BAR PIN ELIMINATOR KIT, JK UPPER REAR

Section 3: Installation Instructions

Step 1: Remove Stock Components

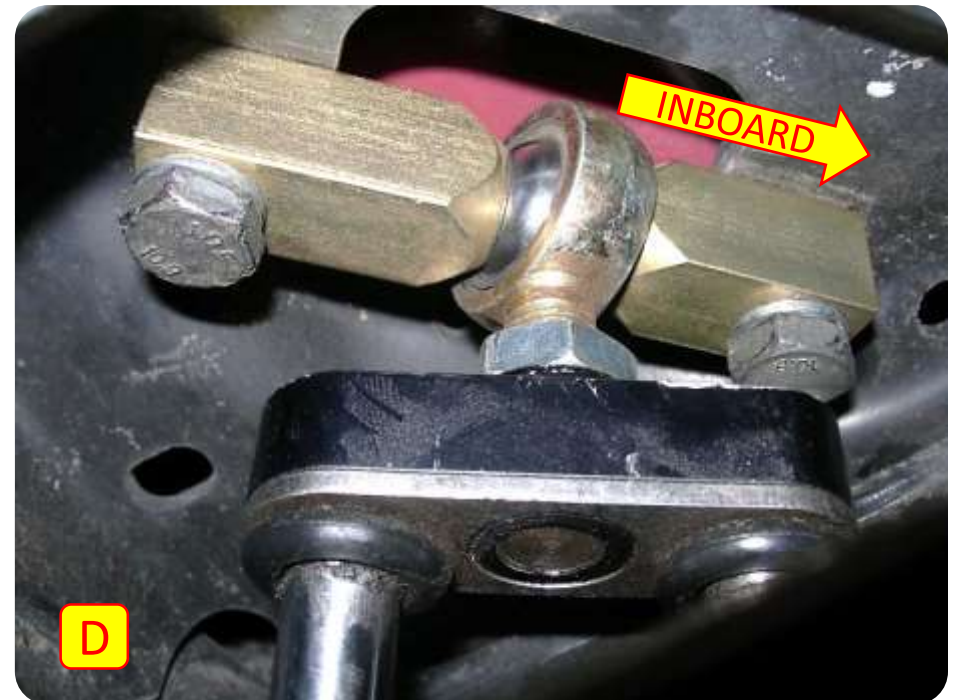
- A. Remove the stock shock using a 19mm Socket and Ratchet to remove the lower bolt, and a 17mm Socket to remove the upper shock mount bolts.
- B. Use an 18mm Hex Socket and Ratchet to remove the bolt that attaches the sway-bar link to the axle.



Section 2: Installation Instructions

Step 4: Install Shock

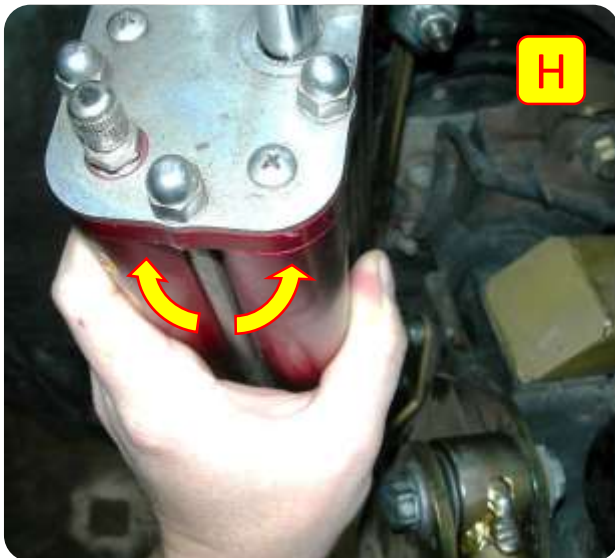
- C. Install the Bar Pin Eliminator in the 6-Pak Shock Rod-End. Feed the male piece through the Rod-End and into the female piece.
- D. Use a 17mm Socket, and the provided replacement M10 Screws and Washers, to install the Bar Pin Eliminator in the upper stock location, oriented so that the 6-Pak Rod End is offset INBOARD.



Section 2: Installation Instructions

Step 5: Adjust Rod Ends

- E. Use a 3/4" Wrench to loosen the 1/2" Jam Nuts on the Rod Ends (one on each end of the shock).
- F. Restrict the rotational position of the shock by semi-binding the Shock Rod Ends against one another. Keep the Shock Body parallel to the frame rail with the Shock Reservoir Tubes (RED) facing toward the rear of the vehicle, turn the Rod Ends in opposite directions as far as they will turn, and then back off the rotation of each Rod End slightly.
- G. Use a 3/4" Wrench to re-tighten the Shock Rod End Jam Nuts.
- H. When properly installed, the reservoirs should only be able to rotate or wiggle side to side less than 1/4" in either direction.



IMPORTANT NOTE:

When properly installed, your shocks should have VERY LITTLE side to side motion.

To Achieve this, the heim joints on either end of the shock should be adjusted to LOCK against each other as shown in the image on the right.

The Top should be forced one direction and the bottom forced the other. Do this by loosening the lock nut on both sides, forcing the heims into place and tightening the lock nuts.



Important Note: *When installing or tightening the heims on the 6Paks, DO NOT hold the body of the shock, support the shock with an adjustable wrench on the shaft mount.*

