



## PRODUCT: TJ Lower Front Bar Pin Eliminator

REV: B | 06-26-2015 | II-7013

**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

16MM Socket    19MM Socket  
1/2" Socket



**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](mailto: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.

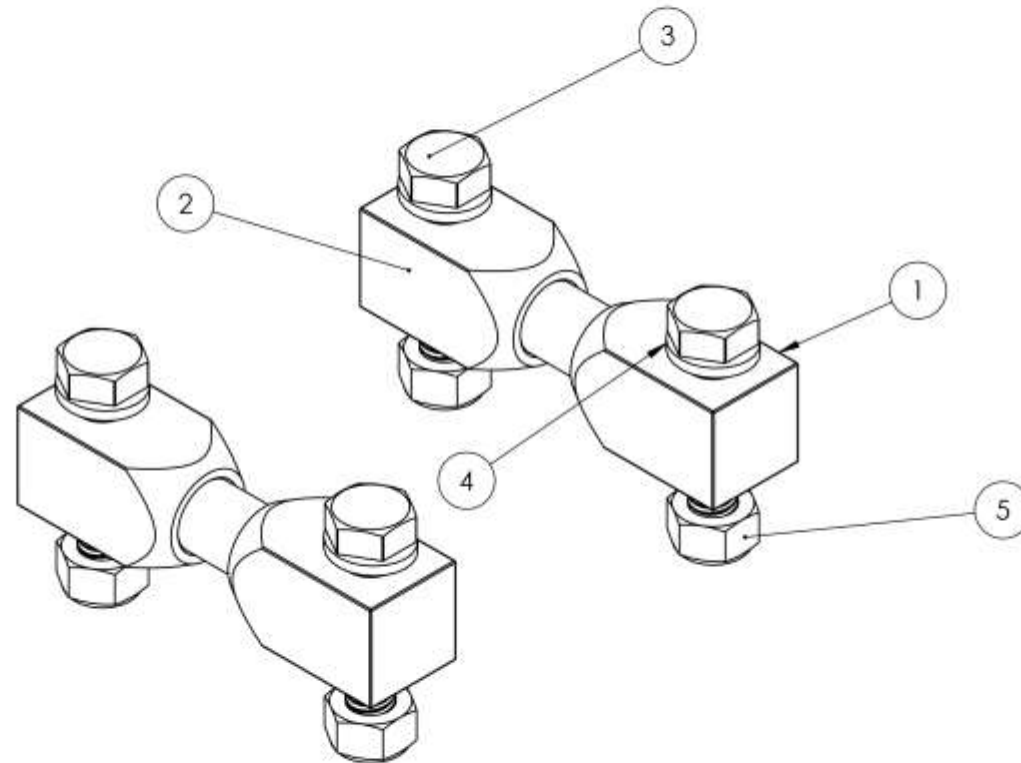
## Section 2: Product Components

DC-0001 REV A

SHEET 1 OF 1

1) CLEAR PLASTIC BAG AND LABEL

ITEM	PART NUMBER/DESCRIPTION	QTY
1	SS-1074 BAR PIN MOUNT, MALE TJ LOWER FRONT	2
2	SS-1073 BAR PIN MOUNT, FEMALE TJ LOWER FRONT	2
3	FA-0094 HHCS, M8-1.25 X 40mm CLASS 8.8 ZINC PLTD	4
4	FA-0095 SPLIT LOCK WASHER, M8 STEEL ZINC PLTD	4
5	FA-0096 NYLOCK NUT, M8-1.25 STL ZINC PLTD CLASS 8	4



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**DO NOT SCALE DRAWING**

**Metal Cloak**  
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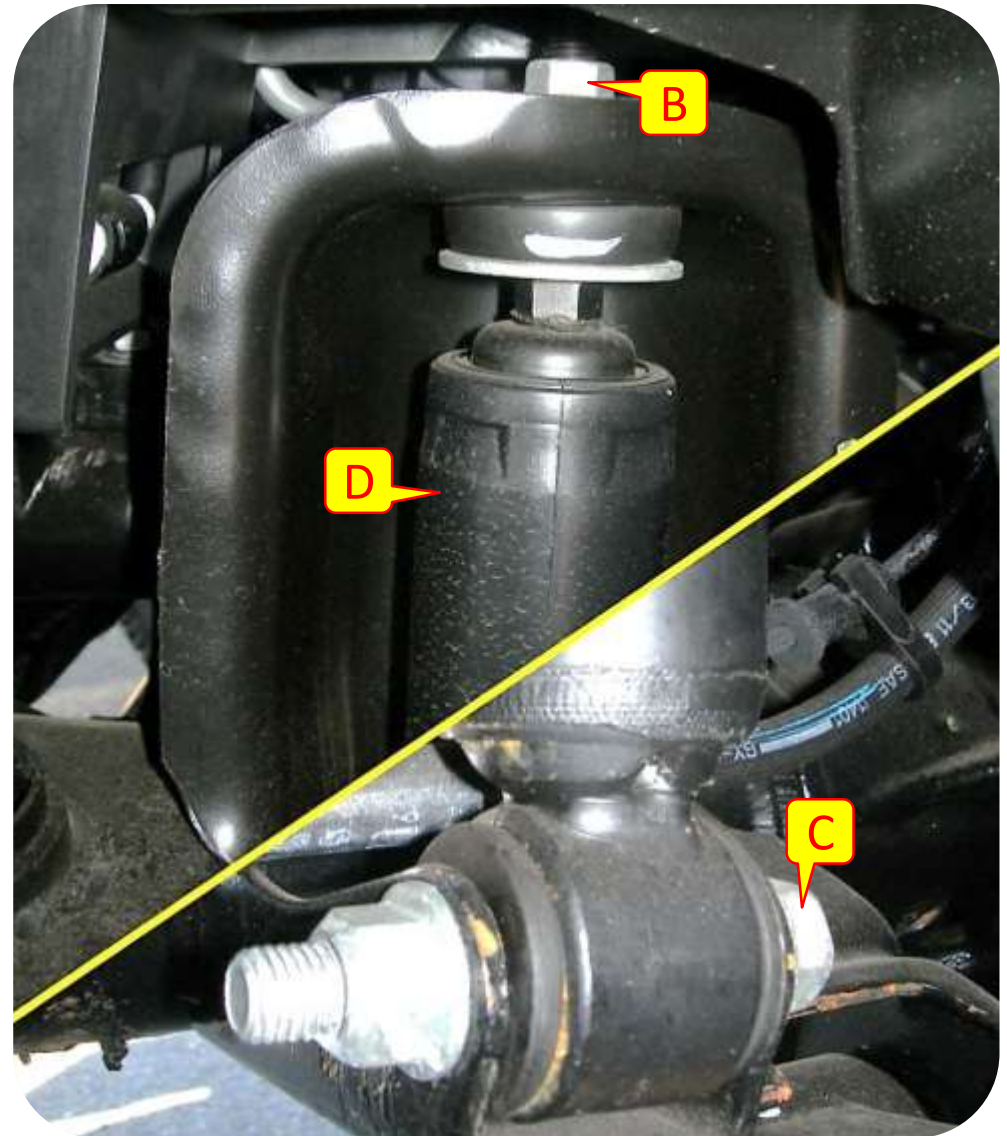
**PART NUMBER  
DESCRIPTION**

7013 BAR PIN ELIMINATOR KIT, TJ LOWER FRONT

## Section 3: Installation Instructions

### Step 1: Disconnect Stock Shock

- A. Lift Jeep and place jack stands under the front axle before disconnecting anything.
- B. To disconnect the front shocks use a 16MM (5/8") socket and wrench to remove the stock nut on top of the upper shock mount tower.
- C. Use a 19MM (3/4") socket and wrench to remove the stock nut and bolt from the lower shock mount bracket located on the axle.
- D. Remove front shocks.



## Section 3: Installation Instructions



### Step 2: Install Front Lower Bar Pin Eliminator

- E. Install the Bar Pin Eliminator in the lower 1/2" rod end of the Shock, and use the provided hardware. Tighten bar pin eliminator bolts using a 1/2" socket. Repeat Shock installation on other side.

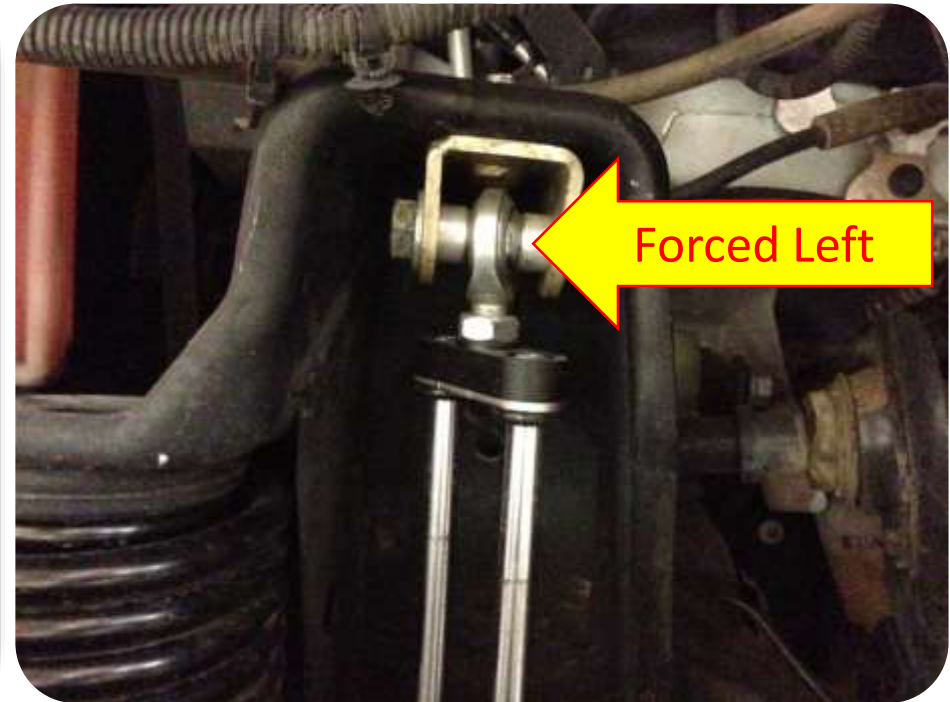


## IMPORTANT NOTE:

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.

