



## PRODUCT: JL DB3 Rear Control Arm Bolt-On System

REV: A | 07-20-2023 | II-7260

**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

3/4" Socket/Wrench  
21mm Socket/Wrench  
22mm Socket/Wrench



3/4" Socket/Wrench  
21mm Socket/Wrench  
22mm 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](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 B

SHEET 1 OF 1

ITEM.	PART NUMBER / DESCRIPTION	QTY.
1	7003 CONTROL ARM PAIR, JK REAR LOWER	1
2	7004 CONTROL ARM PAIR, JK REAR UPPER	1
3	7697 CONTROL ARM 3.0IN DROP BRACKET KIT, REAR JK-JL	1

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**DO NOT SCALE DRAWING**

**METAL CLOAK**  
 A DIVISION OF ARMORED WORKS, LLC

**PART NUMBER/DESCRIPTION** 7260 DB3 REAR FULL ADD ON KIT

## Section 3: Installation Instructions



### Important Notes

	Pinon Angle	Rear Control Arm Starting Lengths	
		Lower	Upper
JK Wrangler Rear Control Arms	2 Degrees	20"	18"
JL Wrangler Rear Control Arms	2 Degrees	20.5"	17.5"

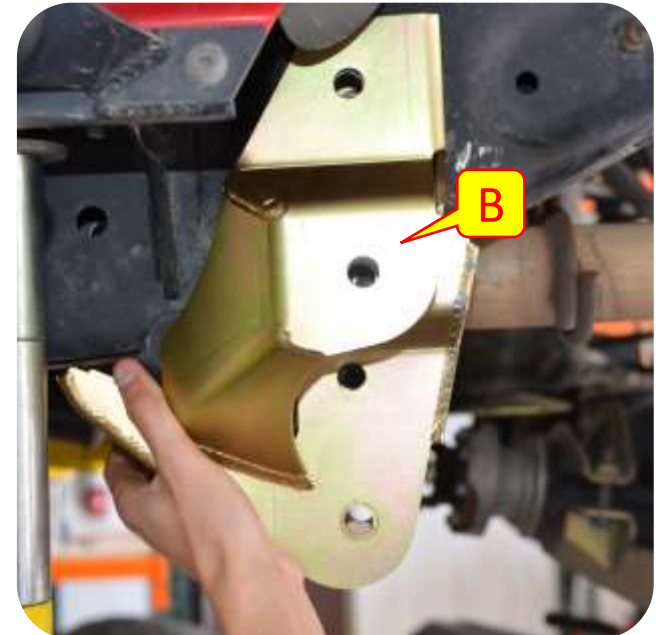
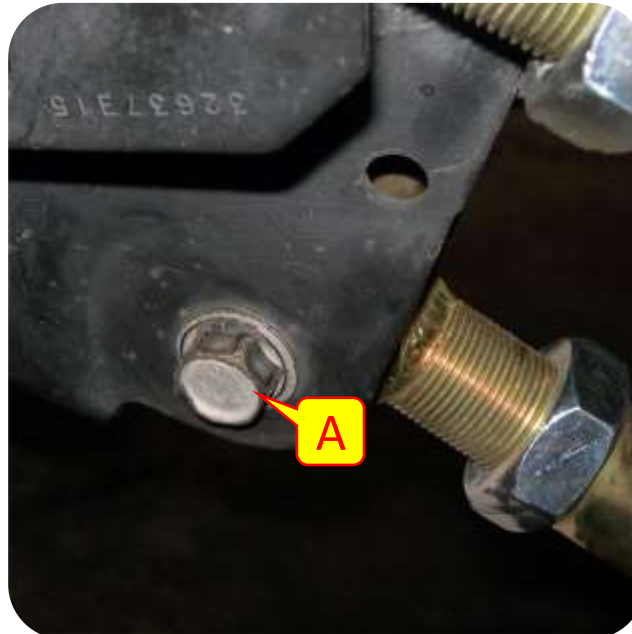
**Important Note:** The provided control arm lengths are starting points. Once the control arms are installed lower the vehicle to the ground and adjust your pinon angle to 2 degrees between the pinion and drive line. Extending the upper control arm will rotate your pinon up and extending your lower control arm will rotate your pinon down.

**Important Note:** Depending on your lift height your coils may be bowed. If your coils are bowed MetalCloak recommends the rear coil spring alignment correction kit ([7187](#)) which will assist the rear coils from bowing in compression by aligning the angle of the lower perch to the angle of the upper coil bucket.

## Section 3: Installation Instructions

### Step 1: Disconnect Control Arms

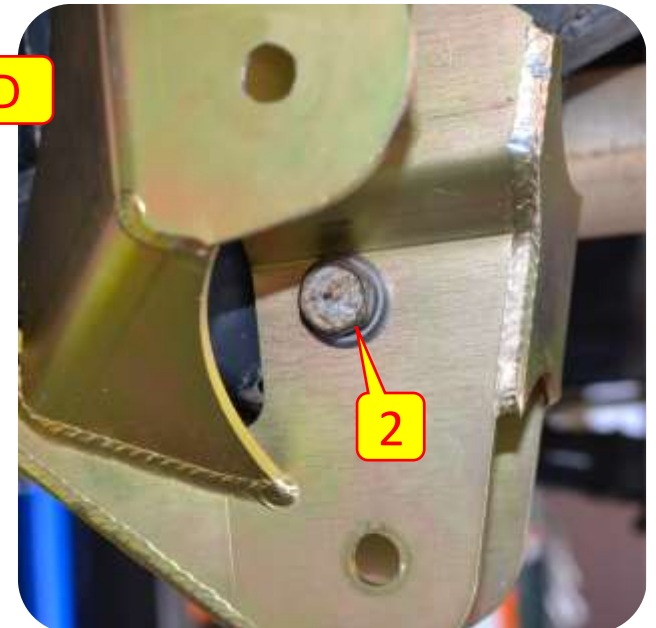
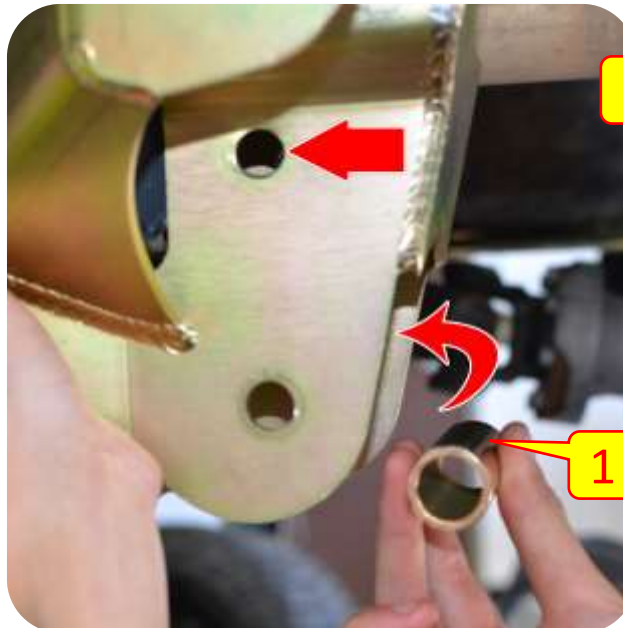
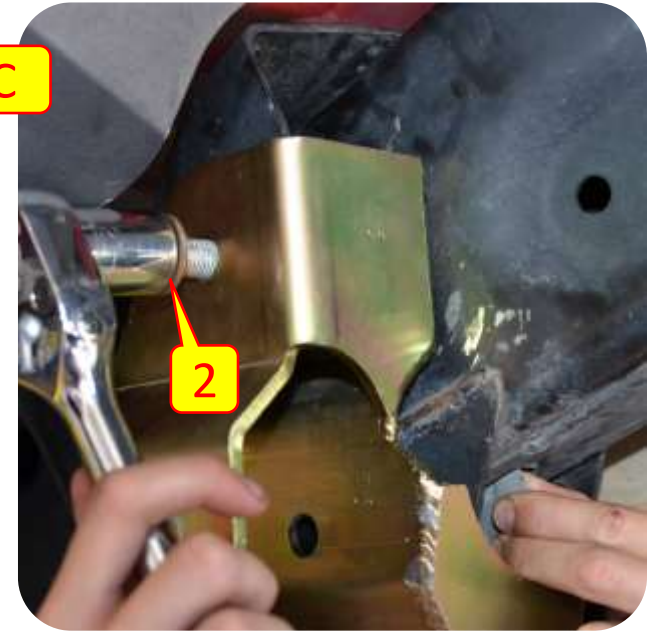
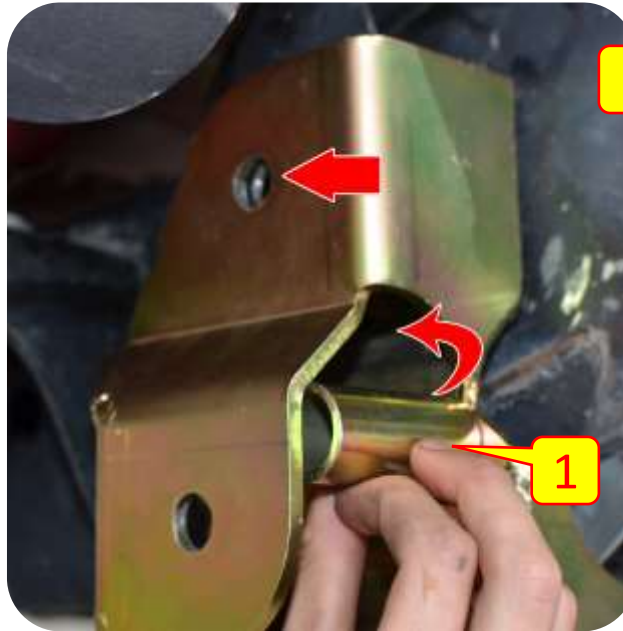
- A. Disconnect the control arms from the frame side using a 21MM socket and wrench. Keep Hardware.
- B. Place bracket up to the frame over the stock control arm brackets.



## Section 3: Installation Instructions

### Step 2: Install DB3

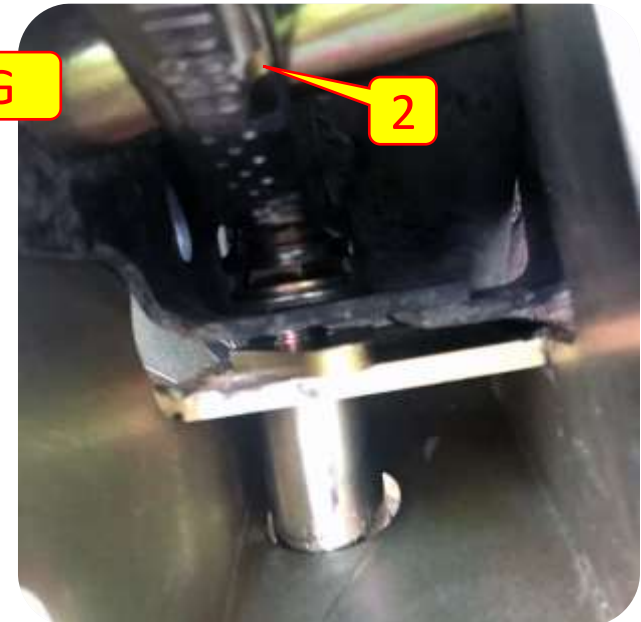
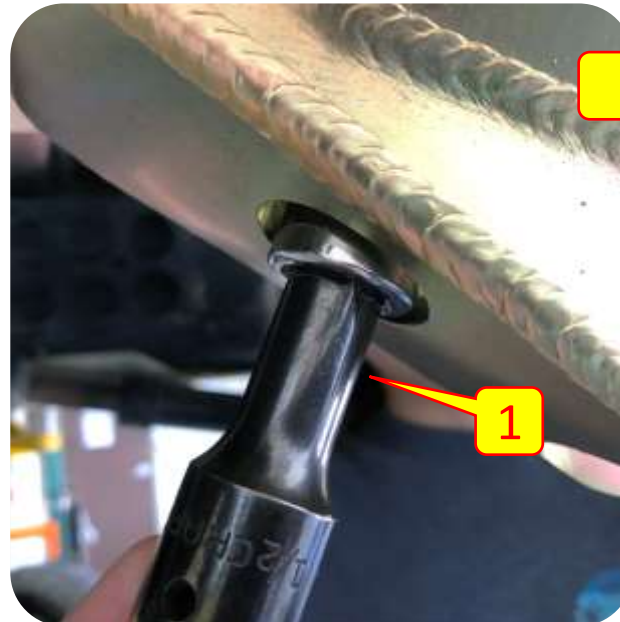
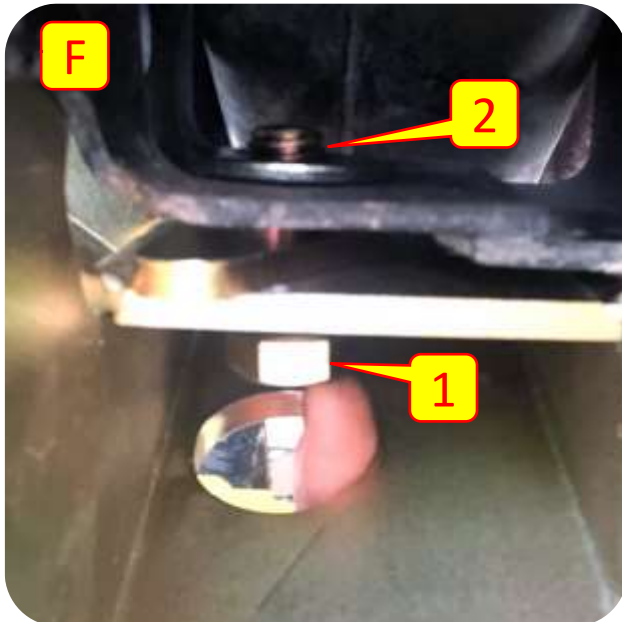
- C. Install the shorter provided spacer (1) and stock hardware in the stock upper control arm location hand tight (2).
- D. Install the longer provided spacer (1) and stock hardware in the stock lower control arm location hand tight (2).



## Section 3: Installation Instructions

### Step 2: Install DB3

- E. Install the provided flag washer between the interior DB3 bracket and the Jeep frame.
- F. Install the provided bolt (1) through the hole on the bottom of the DB3 front skid plate and place the provided washer and nut on the inside of the DB3 above the Jeep frame (2).
- G. Using a 3/4" socket and wrench tighten the bolt snug.



## Section 1: Tools & Notes on Installation



**Pre-Install 3:** Assemble your Duroflex Joints.

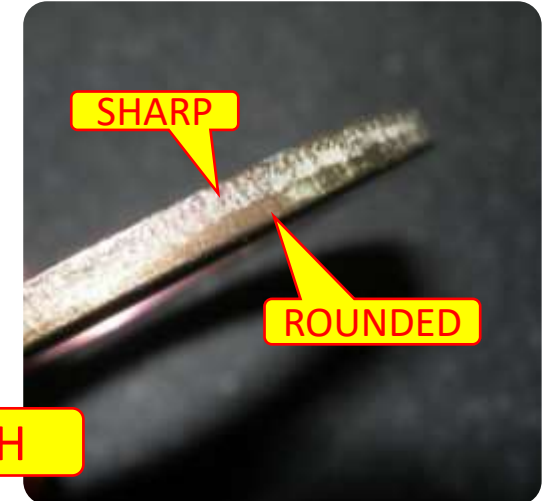
**Note:** MetalCloak Control Arms come pre-assembled and greased. These instructions are for optional periodic maintenance. If you have just received your MetalCloak control arms you will not have to disassemble your control arms.

**Note:** The 2-5/8" diameter Duroflex bushings come in two different widths; the 2-5/16" wide bushings go in the rear upper arms and the 2-5/8" wide bushings go in both lower arms.

- H. Install a retaining ring and washer on one side of the duroflex housing. Be sure the sharp edge of the ring and washer are oriented outward from the center of the Housing.
- I. Use the provided Synthetic Silicon/Teflon Lubricant to lightly coat the outside of the Duroflex Bushing, paying special attention to partially filling the outside diameter grooves.

**Note:** Once a year the bushings should be disassembled, and fresh lubricant applied. Use of any other lubricant may seriously impact the life and performance of the Duroflex joints and will void the MetalCloak warranty.

- J. Press the Bushing into the Housing, and then install the Washer and Retaining Ring on the second side.





## Section 3: Installation Instructions



### Step 4: Install control arms

- K. Using the provided gold zinc bolt, washer and flag nut install the rear upper control arm hand tight. The MetalCloak rear upper arm should be oriented so that the bend in the arm angles inboard to provide tire clearance.
- L. Using the provided zinc bolt, washer, and nut install the rear lower control arm hand tight.
- M. Tighten all hardware.
  - Stock Hardware – 21mm wrench & socket
  - Hex Hardware – 3/4 (19mm) wrench & socket
  - Control Arm Hardware – 22mm wrench & socket

