



PRODUCT: JL Duroflex Control Arms, Full Set

REV: D | 03-22-2024 | II-7605

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!

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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. Be sure to use metric on metric and SAE on SAE.



Socket & Ratchet Wrench

10mm Socket 18mm Socket
21mm Socket 24mm Socket
3/4" Socket



Cut-Off Disc or Pry Bar

18mm Wrench
21mm Wrench
24mm 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

ITEM	PART NUMBER/DESCRIPTION	QTY.
1	7003-1 CONTROL ARM, JK REAR LOWER	2
2	7004-1 CONTROL ARM, JK REAR UPPER	2
E 3	7601-1 CONTROL ARM, JL FRONT LOWER	2
4	7602-1 CONTROL ARM, JL FRONT UPPER	2
5	FS-08125 HHCS FLANGE, 0.5-13 X 3.25L STL G8 ZINC	1
6	FS-08127 NYLOCK FLANGE NUT, 0.5-13 X 0.56H STL GF ZINC	1

Diagram showing exploded view of control arms and hardware components, labeled 1 through 6.

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DO NOT SCALE DRAWING

Metal Cloak
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PART NUMBER/DESCRIPTION
 7605 DUROFLEX CONTROL ARM KIT, JL

Section 3: Installation Instructions

Step 1: Remove Stock Components

- A. Disconnect the upper control arm heat shield on both sides at the frame using a 10MM Socket. Save heat shields and all hardware.

Note: The brake line on the lower front control arms (drivers and passenger side) must be removed from the bracket. It may be pried out or cut; be VERY careful not to damage the brake line!!!



Section 3: Installation Instructions

Step 2: Front Control Arms

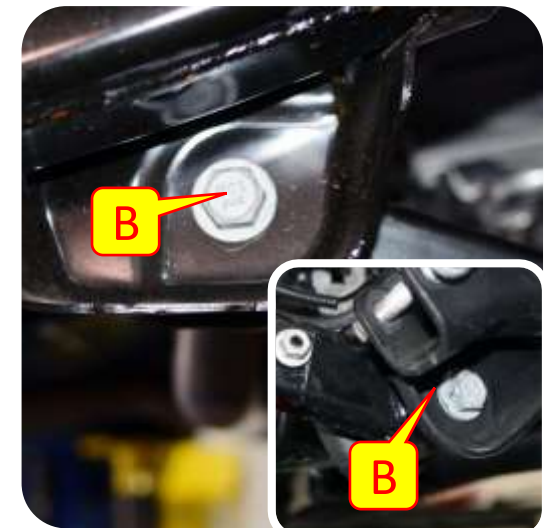
Important Note: *These Control Arm Specifications are Just Starting Points. Measured from eye to eye. ALL JEEPS ARE DIFFERENT. MetalCloak Recommends Seeing a Suspension Specialist for Correct Control Arm Lengths for YOUR Jeep.*

		Front Control Arms		Rear Control Arms	
	Castor Angle	Upper	Lower	Upper	Lower
Factory Control Arms	Stock	20 1/4"	24"	17 1/2"	20"
MetalCloak 3.5" Lift	6 Degrees	19 3/4"	24"	17 1/2"	20 1/8"

Important Note: *MetalCloak recommends installing one control arm at a time. Loosening but not removing all control arm bolts first will make removal easier.*

- B. Use a 24mm Socket & Wrench to remove the stock bolts from the front lower control arms. **Save all hardware.**

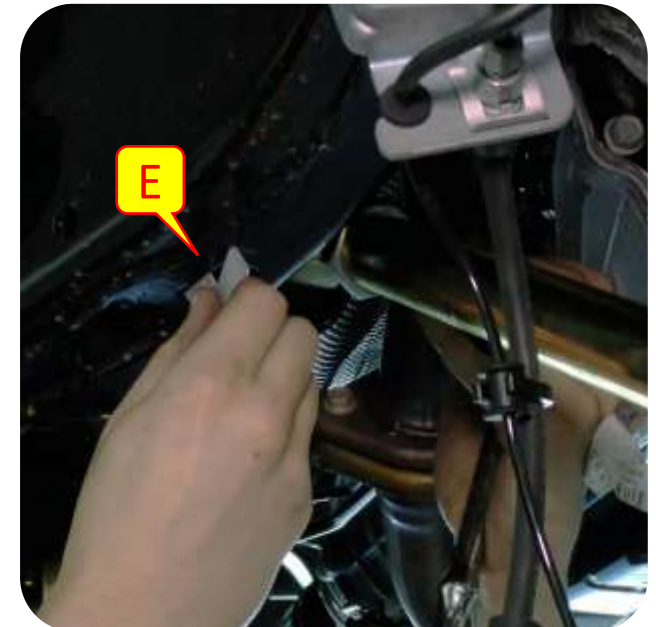
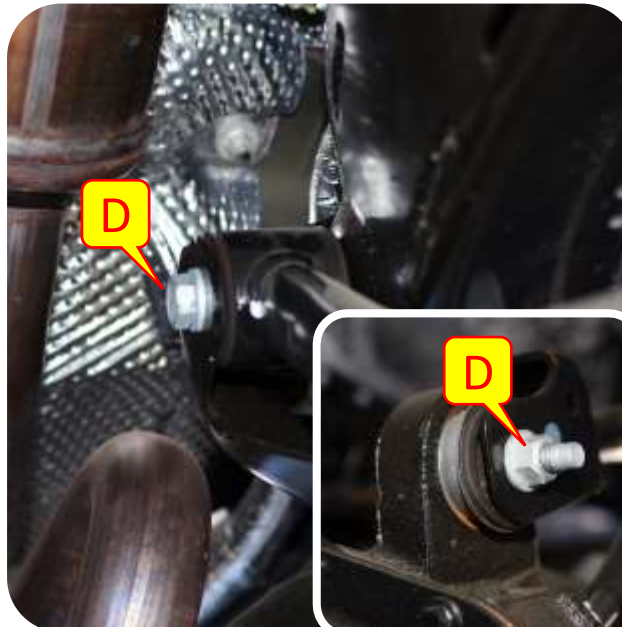
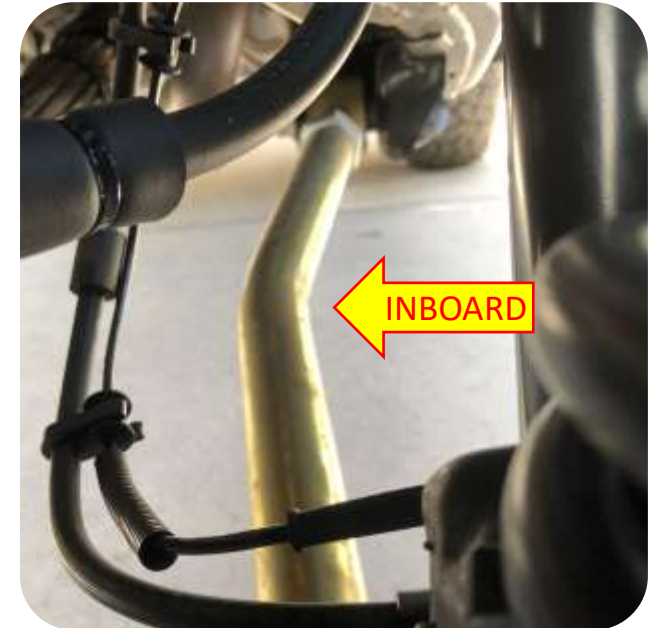
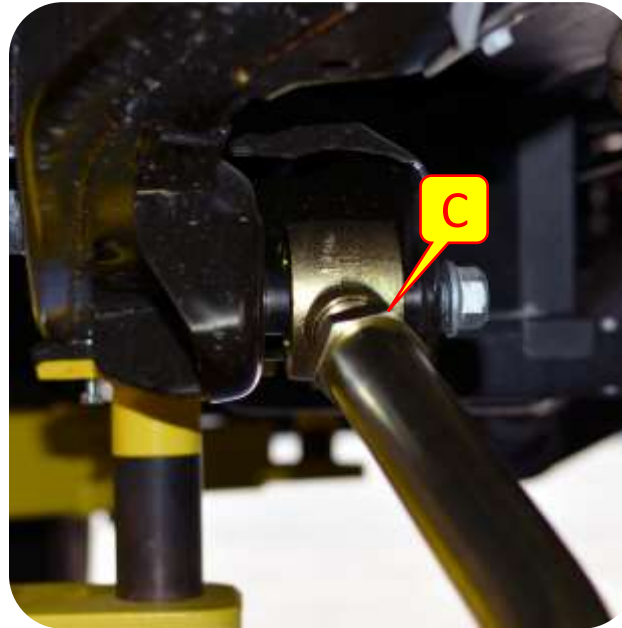
Note: *On the passenger side upper control arm you will need to cut the stock bolt as the exhaust interferes with the bolt removal.*



Section 3: Installation Instructions

Step 2: Front Control Arms

- C. Install the Front Lower Control Arms so that the adjustable joint is in the rear, and the arm angles INBOARD to provide tire turning clearance.
- D. Using a 18mm wrench and socket remove the Front Upper Control Arms. Save all hardware.
- E. Install the MetalCloak Front Upper Control Arm using the stock hardware on the passenger side and the provided 3/4 bolt on the passenger side (3/4" Socket).



Section 3: Installation Instructions



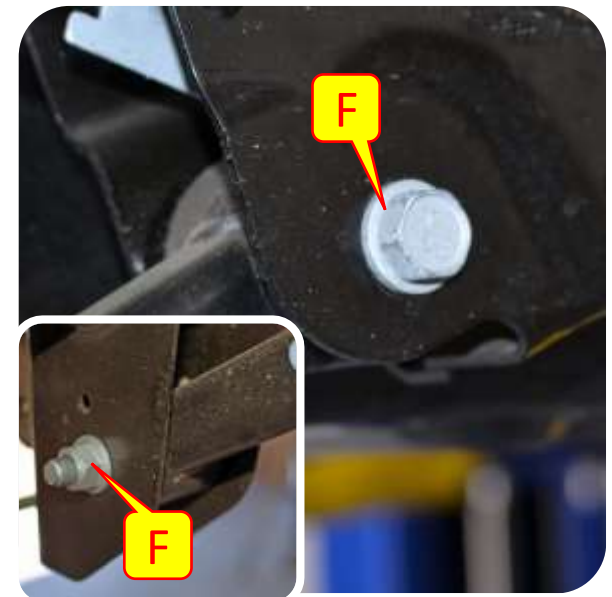
Step 3: Rear Control Arms

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Important Note: *MetalCloak Recommends installing one control arm at a time. Loosening but not removing all control arm bolts first will make removal easier.*

- F. Use a 21mm Socket & Wrench to remove the stock bolts from the rear lower control arms. **Save all hardware.**



Section 3: Installation Instructions

Step 3: Rear Control Arms

- G. Using the stock hardware Install the Rear Lower Control Arms so that the adjustable joint is at the frame.
- H. Using a 21mm wrench and socket remove the Rear Upper Control Arms. **Save all hardware.**
- I. Install the Rear Upper Control Arms so that the adjustable joint is in the front and the arm angles **INBOARD** to provide maximum tire clearance.

