



PRODUCT: JL Wrangler Front Duroflex Axle Bushing Kit

REV: A | 04-11-2023 | II-7707

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

18mm Socket
19mm Socket



Snap Ring Pliers

Bushing Press



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	2	3	4	5	6	7	8
	ITEM	PART NUMBER/DESCRIPTION			QTY.			
	1	SS-1029 RETAINING WASHER, 1.63 DIA			4			
	2	SS-1033-K DUROFLEX BUSHING, 1.8D X 2.0L X .51ID			2			
E	3	SS-1056 INT RET RING, 1.63 BORE YEL ZINC			2			
	4	SS-3090 DUROFLEX PRESS-IN HOUSING, 1.8D X 1.38W, JL-JT			2			

D

C

B

A

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DO NOT SCALE DRAWING

PART NUMBER/DESCRIPTION

7707 DUROFLEX AXLE BUSHING KIT, FRONT JL

Metal Cloak

A DIVISION OF ARMORED WORKS, LLC

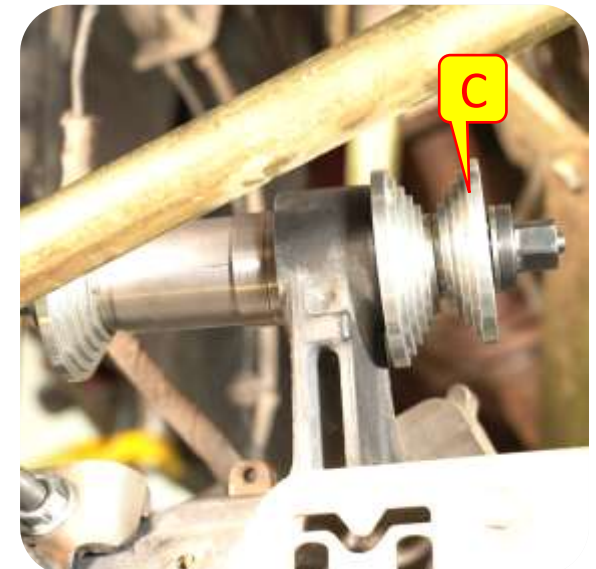
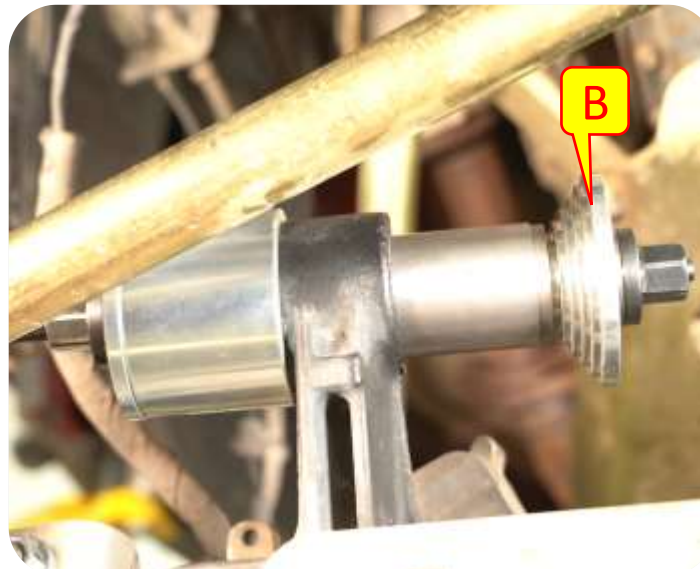
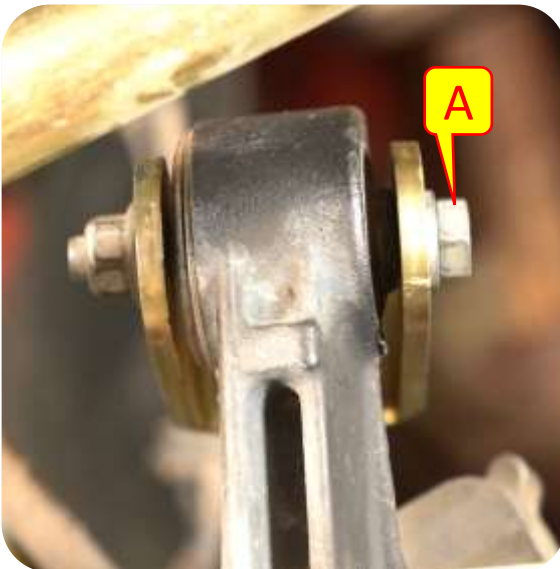
Section 3: Installation Instructions



Step 1: Passenger Side Press In Bushing

Important Note: *This installation may be done on the ground and should be done one side at a time to closer match the caster that has already been set. If you are using a lift, you must remove the lower side of the track bar off the front axle to keep the track bar from pulling the axle off center before raising the Jeep.*

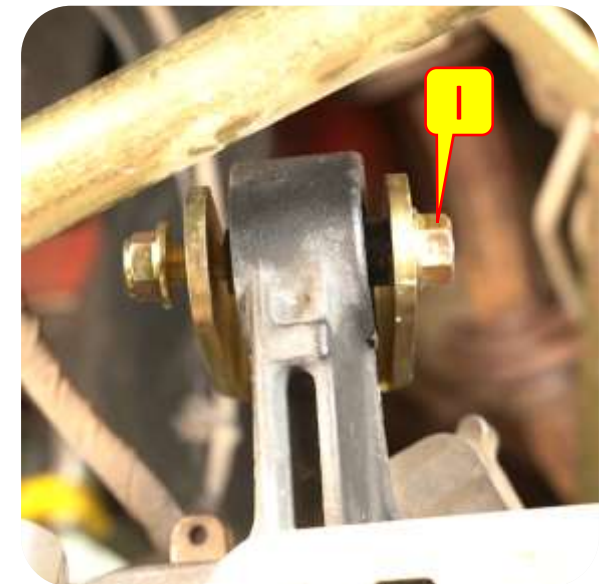
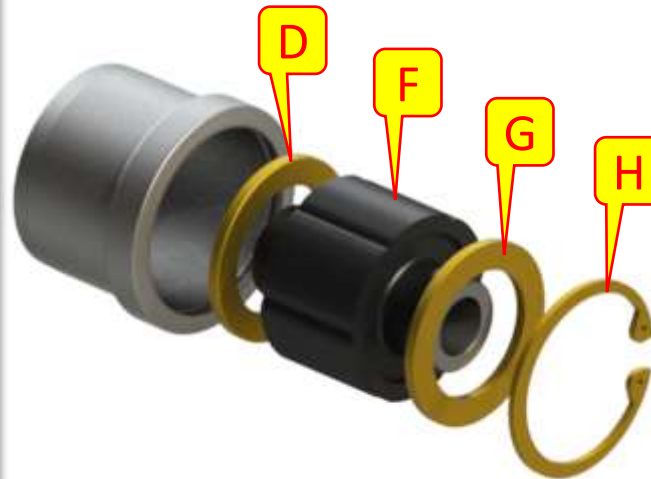
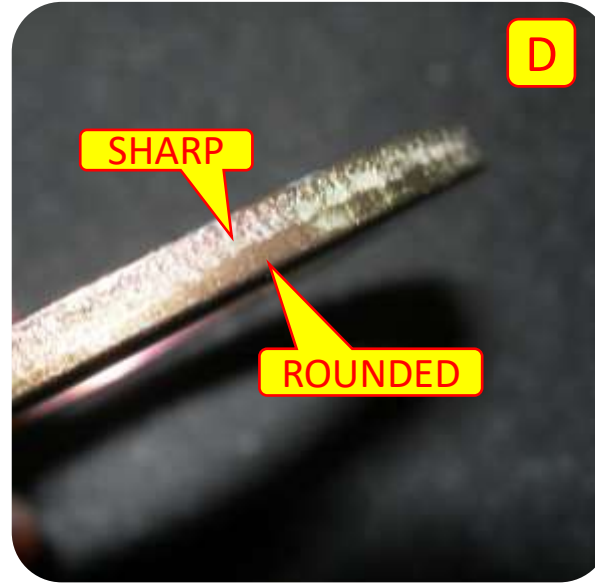
- A. Remove the passenger side upper front control arm from the axle.
- B. Press out the passenger side OEM bushing using the bushing press.
- C. Press in the MetalCloak Duroflex housing from the passenger side inward till the passenger side face of the Duroflex housing is even with the passenger side face of the axle casting.



Section 3: Installation Instructions

Step 1: Passenger Side Press In Bushing

- D. Install one retaining washer making sure the sharp edge of the ring is oriented outward from the center of the housing.
- E. 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.
- F. Install Duroflex bushing.
- G. Install the second retaining washer.
- H. Install the snap ring on the end of the housing making sure the sharp edge of the ring is oriented outward from the center of the housing.
- I. Reinstall the upper front control arm.



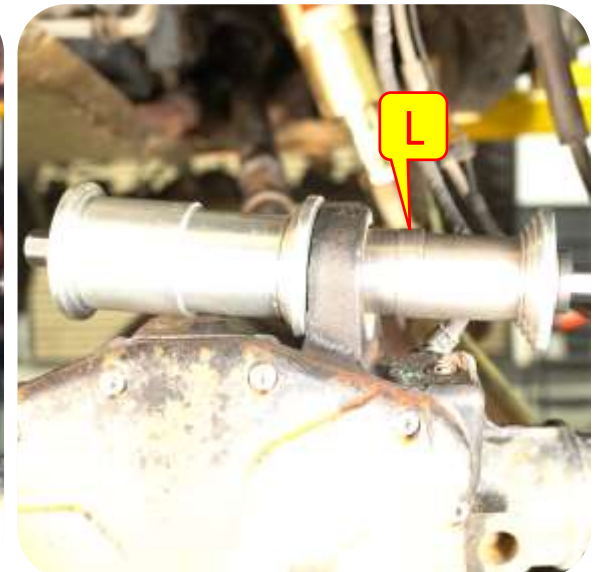
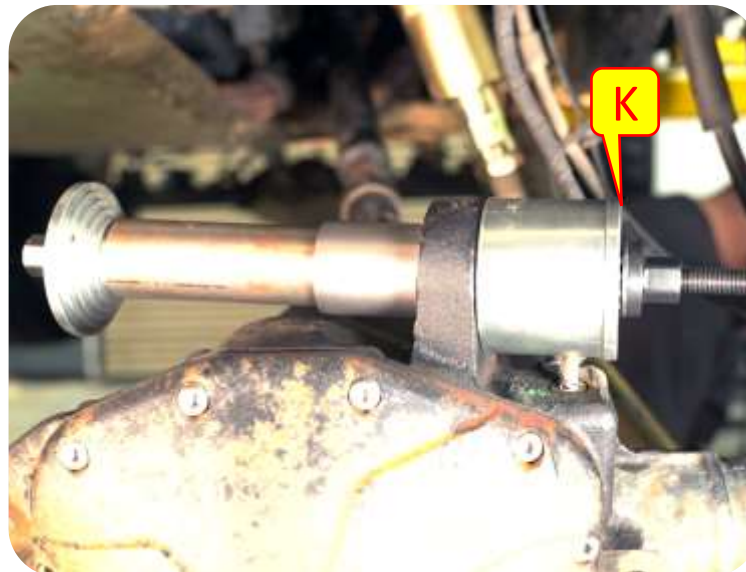
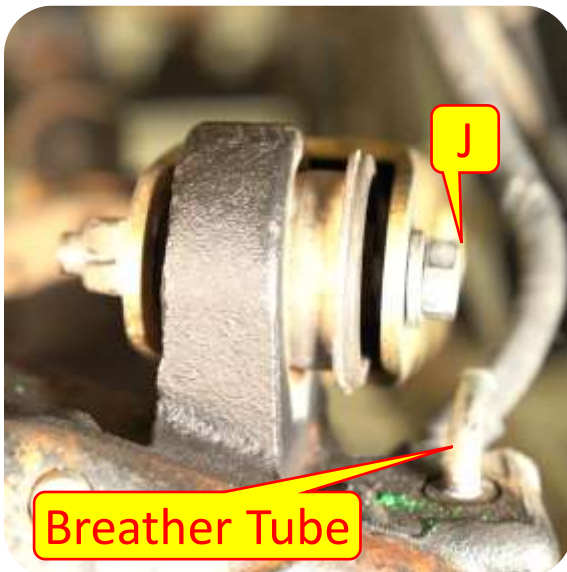
Section 3: Installation Instructions



Step 2: Driver Side Press In Bushing

Important Note: When pressing out/in the bushing housing on the driver side be careful not to break the differential breather tube.

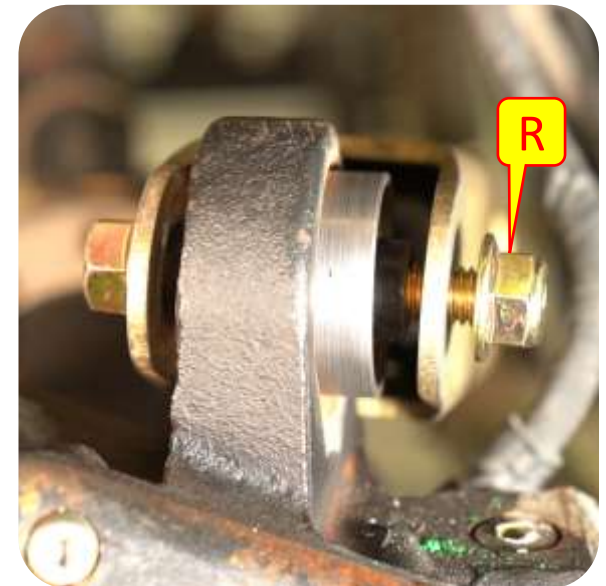
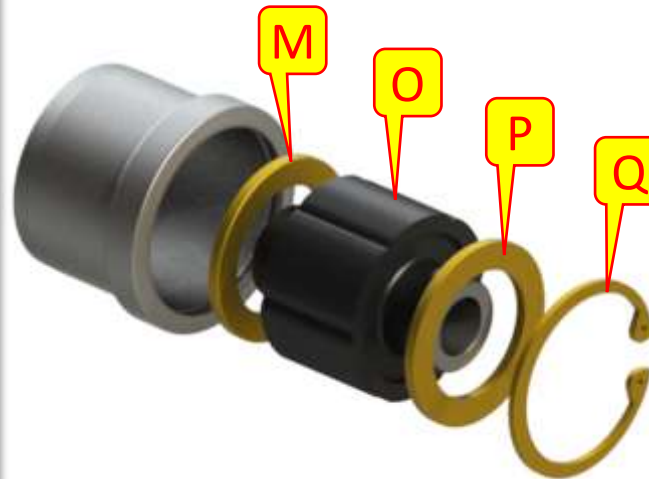
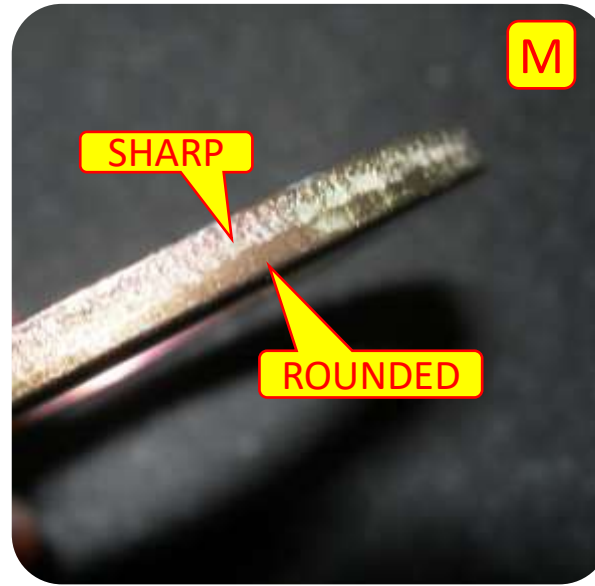
- J. Remove the driver side upper front control arm from the axle.
- K. Press out the driver side OEM bushing using the bushing press.
- L. Press in the MetalCloak Duroflex housing from the driver side inward till the driver side face of the Duroflex housing is even with the driver side face of the axle casting.



Section 3: Installation Instructions

Step 2: Driver Side Press In Bushing

- M. Install one retaining washer making sure the sharp edge of the ring is oriented outward from the center of the housing.
- N. 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.
- O. Install Duroflex bushing.
- P. Install the second retaining washer.
- Q. Install the snap ring on the end of the housing making sure the sharp edge of the ring is oriented outward from the center of the housing.
- R. Reinstall the upper front control arm.



Section 3: Installation Instructions



Step 3: Adjustments *(if applicable)*

- S. Reinstall the lower side of the track bar *(If disconnected)*.
- T. Check and rest the caster if needed.
- U. The Duroflex housing can be spray painted after the bushing is installed to provide some environmental protection.