



Installation Instructions



## PRODUCT: **Duroflex Joint Maintenance**

REV: C | 06-23-2015 | II-Duroflex

**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.



Snap Ring Pliers

5/8" Socket



Flat Head Screw Driver

Paper Towels or Shop Rag



Synthetic Silicon/Teflon Lubricant

**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: Installation Instructions



**Important 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.*

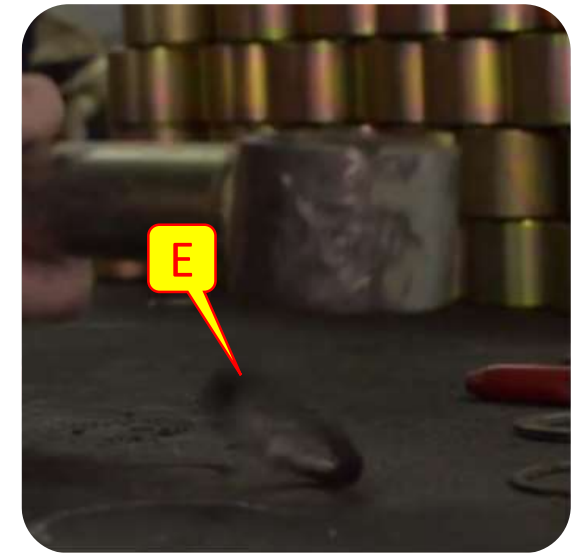
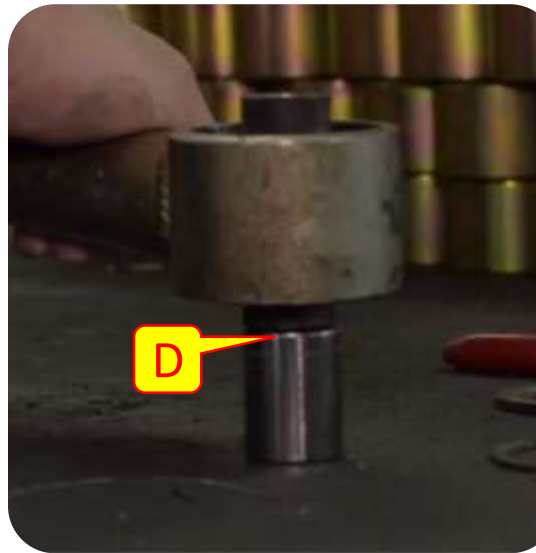
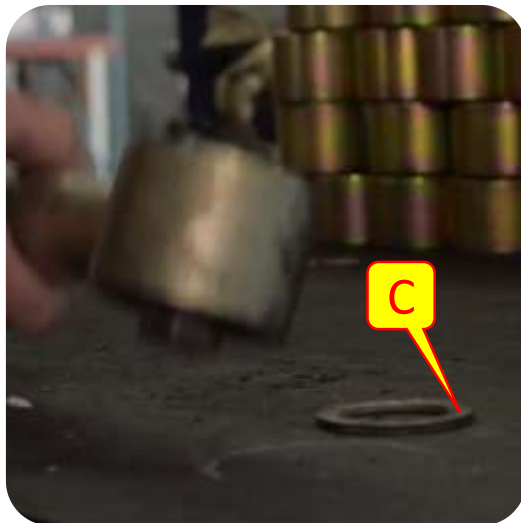
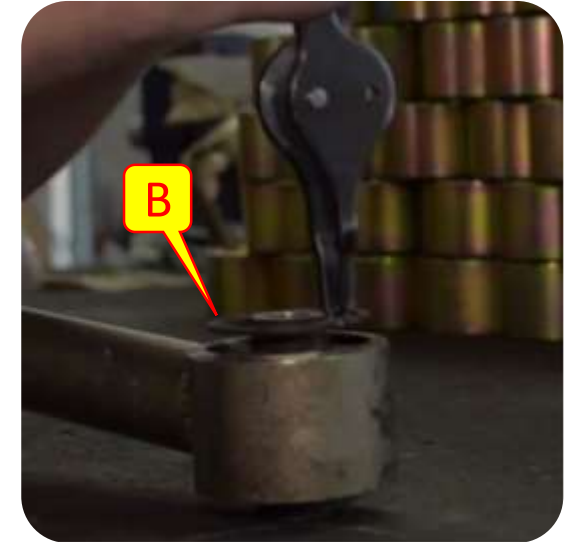
**Important Note:** *Only use Synthetic/Teflon lubricant on MetalCloak's Duroflex Bushing. Use of any other lubricant may seriously impact the life and performance of the Duroflex joints, and will void the MetalCloak warranty.*

**Important Note:** *The 2-5/8" diameter Duroflex bushings come in two different width; the 2-5/16" wide bushings go in the rear upper control arms and the 2-5/8" wide bushings go in both of the lower control arms. Do not mix these up.*

## Section 2: Installation Instructions

### Pre-Install 1: Assemble your Duroflex Joints.

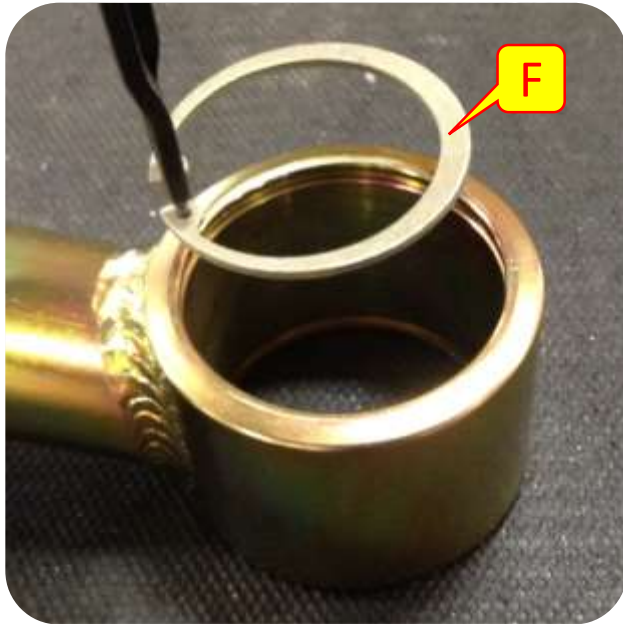
- A. Remove control arm from jeep. To learn how to remove Metalcloak's Control Arms visit [www.metalcloakinstructions.com](http://www.metalcloakinstructions.com)
- B. Use the snap ring pliers and remove the snap ring from the control arm spud.
- C. Remove washer from control arm spud.
- D. Using a press or a 5/8" socket push out the Duroflex bushing.
- E. Remove second washer from control arm spud.



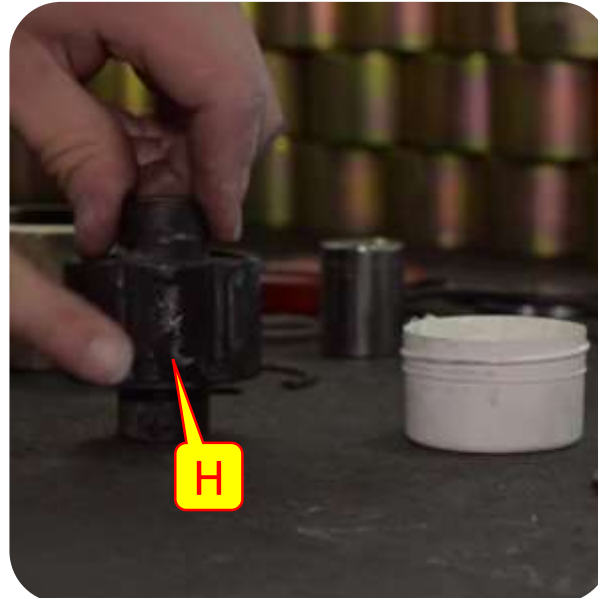
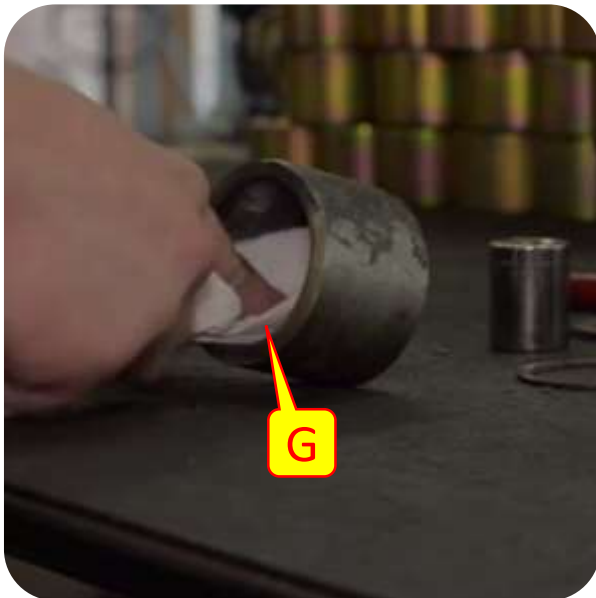
## Section 2: Installation Instructions



**Step 1:** Disassemble your Duroflex joints.



- F. Remove second snap ring using the snap ring pliers.
- G. Clean out the inside of the control arm spud by using a paper towel or a shop rag.
- H. Use the Provided synthetic silicon/Teflon lubricant to lightly coat the outside of the Duroflex bushing.
- I. Pay special attention to partially filling the outside diameter grooves.

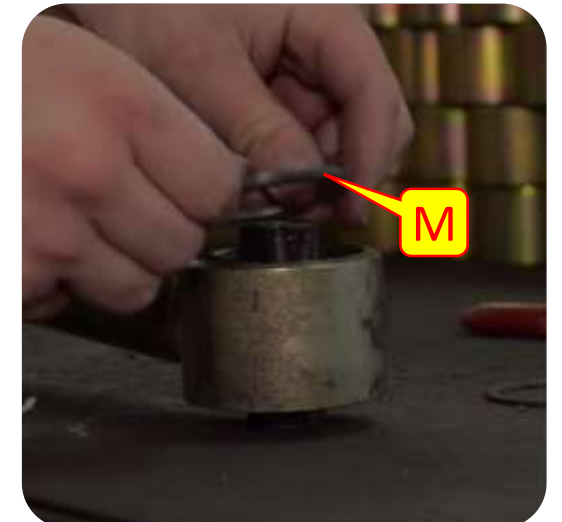
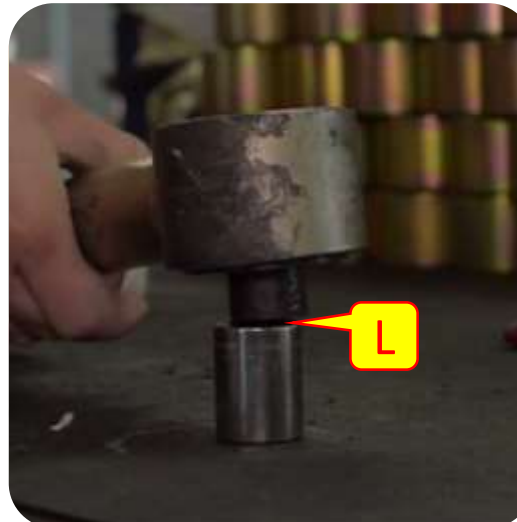
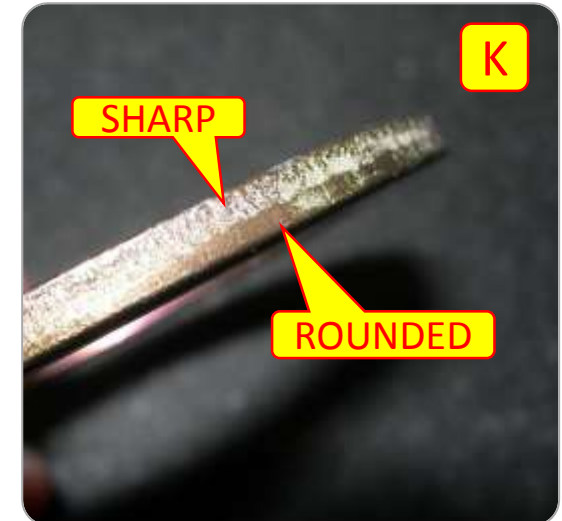




## Section 2: Installation Instructions

### Step 2: Assemble your Duroflex joints.

- J. Re-install a snap ring on one side of control arm spud making sure the sharp edge of the ring is oriented outward from the center of the housing.
- K. Re-install one retaining washer making sure the sharp edge of the ring is oriented outward from the center of the housing.
- L. Press greased bushing into control arm spud.
- M. Re-install the second washer rounded side down on the second side of the control arm spud.



## Section 2: Installation Instructions

**Step 2:** Assemble your Duroflex joints.

- N. Install last snap ring on the second side of the control arm spud.
- O. Use a flat head screwdriver to make sure the snap ring has fully snapped into place.
- P. Re-install on to Jeep

