



## PRODUCT: JT Rear Replacement Brake Lines

REV: A | 08-07-2020 | II-1161

**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 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.



Pliers

12mm Wrench    15mm Wrench  
16mm Wrench    18mm 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)

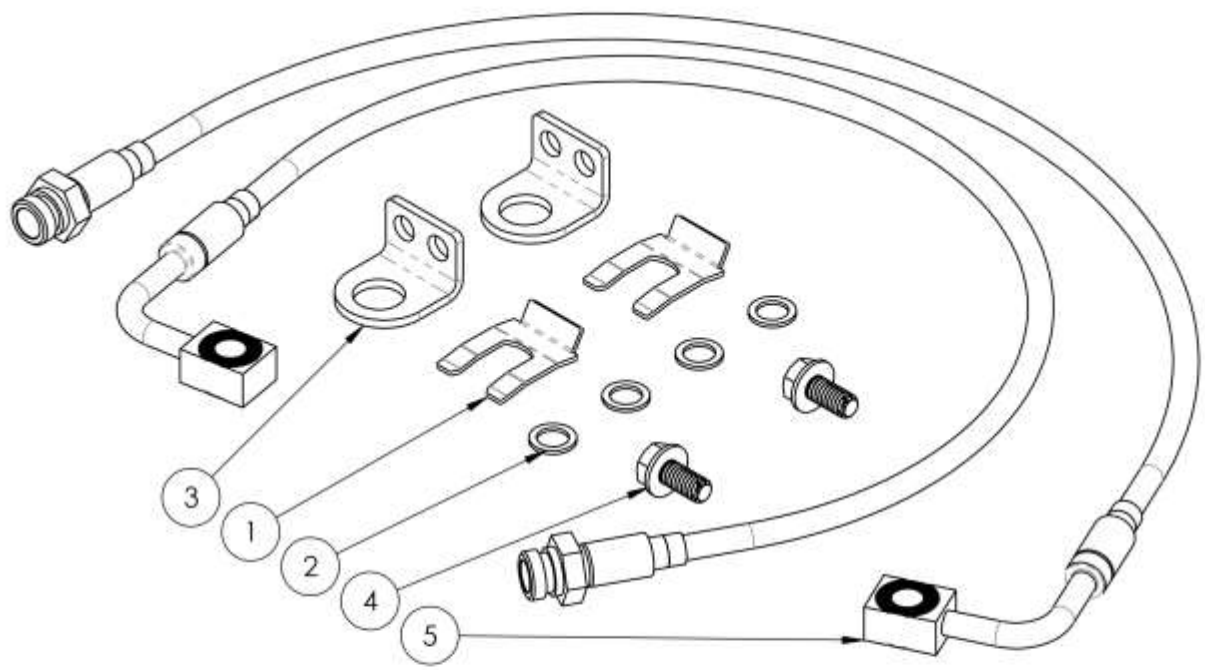
**QUESTIONS:** Any questions or comments about the instructions? Call us at 916-631-8071 M-F 7:00 AM – 5:00 PM PST.

## Section 2: Product Components

DC-0001 REV A

SHEET 1 OF 2

ITEM	PART NUMBER/DESCRIPTION	QTY.
1	FA-1106 BRAKE LINE RETAINING CLIP	2
2	FA-1107 COPPER CRUSH WASHER	4
3	FA-1108 BRACKET, BRAKE LINE, ZNC PLT STL	2
4	FS-05124 HHCS FLANGE SELF-TAP, 0.31-18 X 0.63L STL GF ZINC	2
5	SS-1161 BRAKE LINE, JT REAR 24.5L	2

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**DO NOT SCALE DRAWING**

**MetalCloak**  
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**PART NUMBER/DESCRIPTION**  
1161 BRAKE LINE KIT, JT REAR 24L

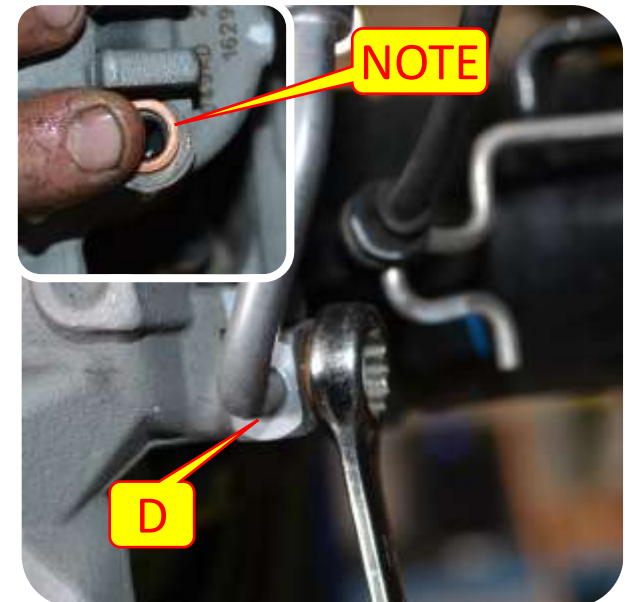
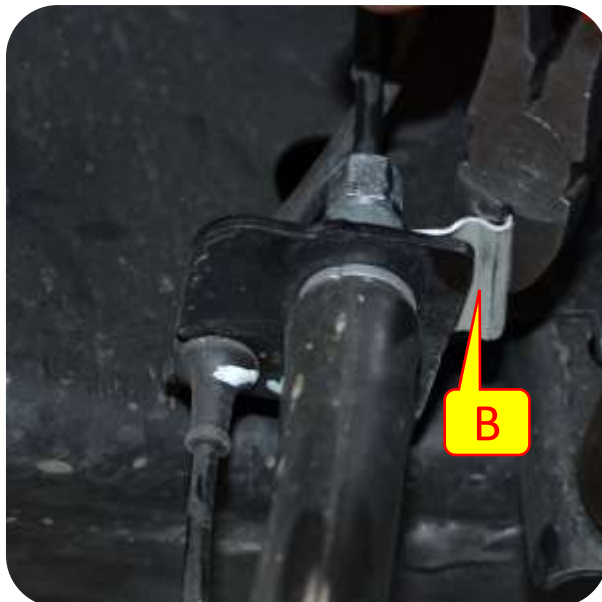
## Section 3: Installation Instructions

### Step 1: Disconnect Rear Brake Line

**Important Note:** MetalCloak recommends placing a drain pan under the caliper; fluid will leak out when removing brake lines.

- A. Carefully disconnect the brake line from the ABS line.
- B. Using pliers remove the stock brake line spring clip.
- C. Using a 12mm and 16mm wrench disconnect the stock brake line at the frame.
- D. Using a 15mm wrench disconnect the brake line from the caliper. **Save bolt.**

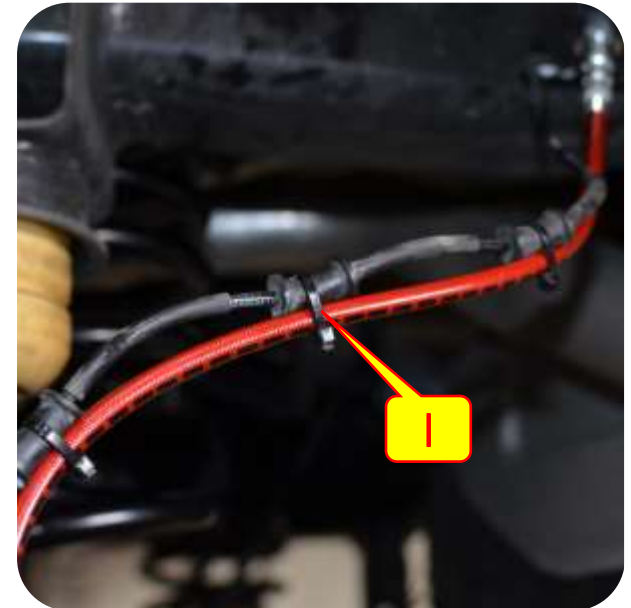
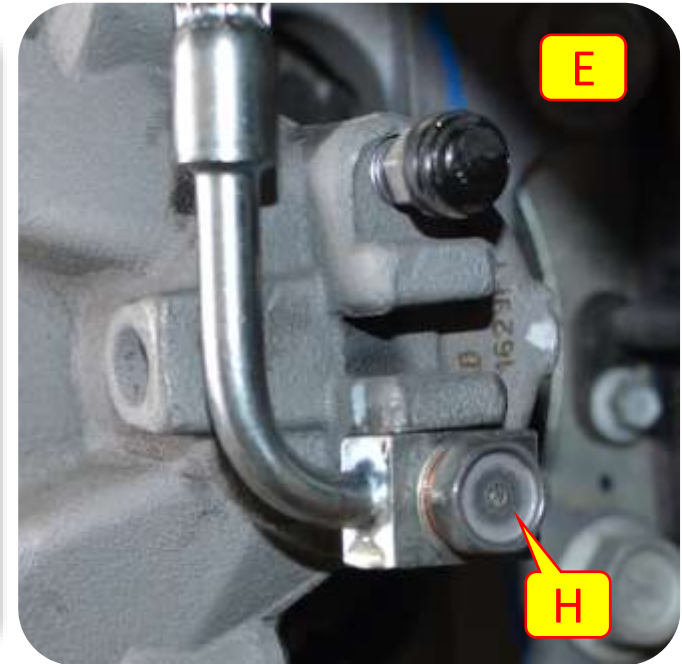
**Note:** Make sure the copper washer is removed from the caliper.



## Section 3: Installation Instructions

### Step 2: Rear Brake Line Installation

- E. Install the new brake line into the caliper using the stock bolt making sure to place a brass washer on each side of the brake line.
- F. Install the break line at the frame and install the provided spring clip.
- G. Using a 12mm and 18mm wrench fully tighten the brake line at the frame.
- H. Using a 15mm wrench fully tighten the brake line at the caliper.
- I. Using zip ties reconnect the Brake Line to the ABS Line.



## Section 3: Installation Instructions



### Step 3: Bleed Brakes

**CAUTION!! FAILURE TO PROPERLY BLEED THE BRAKE LINES WILL CAUSE YOUR BRAKES TO BE INEFFECTIVE.**

Before your vehicle is ready to drive you will need to refill the brake reservoir and bleed the air out of the brake lines. If you are not experienced with this process, or have any reservations, consult a professional. For a full write-up of the brake bleeding process for your JEEP Wrangler JK, you can also refer to:

<https://wayalife.com/showthread.php/4335-MAINTENANCE-Bleeding-the-Brakes-on-a-Jeep-JK-Wrangler>

