



Installation Instructions



PRODUCT: **JK Replacement Brake Lines**

REV: A | 08-21-2019 | II-1106

**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.

SUSPENSION WARRANTY INFORMATION: MetalCloak products are warranted to be free of defects in material and workmanship for one year from the original purchase date. All products produced by MetalCloak are designed exclusively for off road applications and therefore do not have any warranty or guarantee of performance. No warranty or representation is made as to this products ability to protect the user from injury or death. The user assumes that risk. Because of the wide variety of applications of our products, the effectiveness, warranty and longevity of this equipment are directly related to the manner in which it is installed, used and/or maintained. 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 how MetalCloak products are installed.

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

Metal Head Hammer



1 Drill Bit

Electric Drill



10mm Socket
15mm Socket
1/2" Socket

12mm Brake line Wrench
17mm Brake line 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

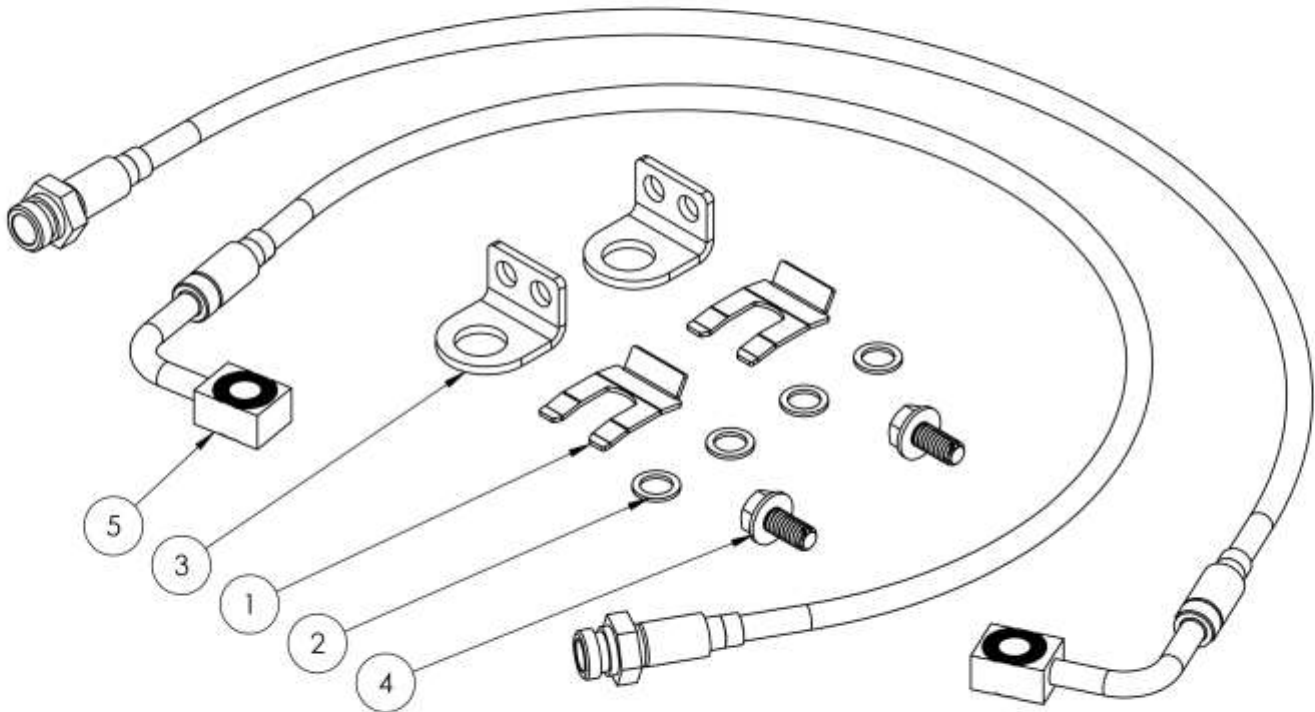
QUESTIONS: Any questions or comments about the instructions? Call us at 916-631-8071 M-F 7:00 AM – 5:00 PM PST.

Section 1: Tools & Notes on Installation

DC-0001 REV A

SHEET 1 OF 1

ITEM	PART NUMBER/DESCRIPTION	QTY.	BIN
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-1106 BRAKEQUIP LINE, JK FRONT-REAR 26.5L	2	-



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DO NOT SCALE DRAWING

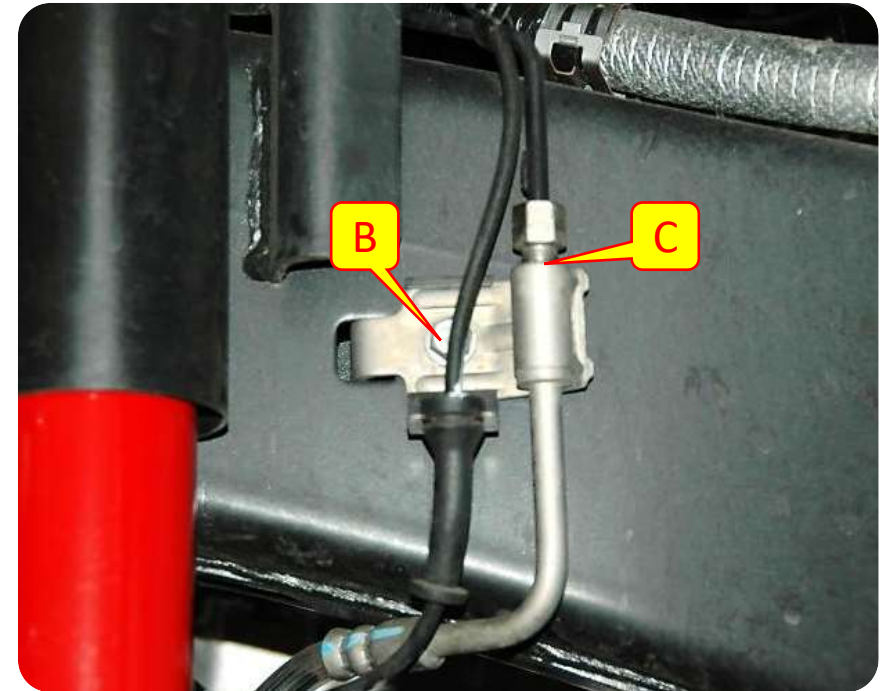
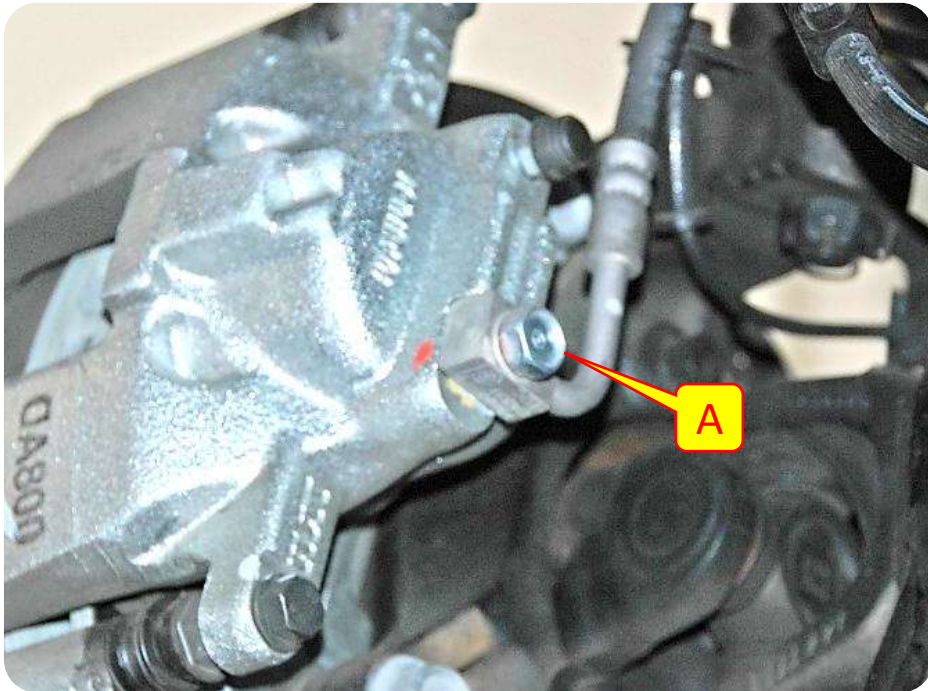
MetalCloak
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PART NUMBER/DESCRIPTION
1106 BRAKEQUIP KIT, JK FRONT-REAR 26.5L

Section 3: Installation Instructions

Step 1: Disconnect Stock Brake Line

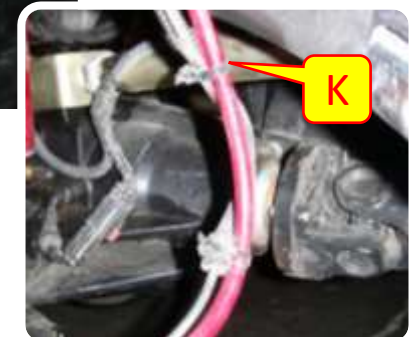
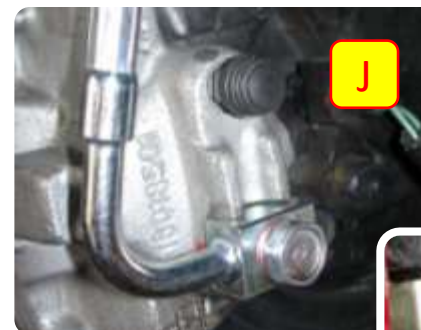
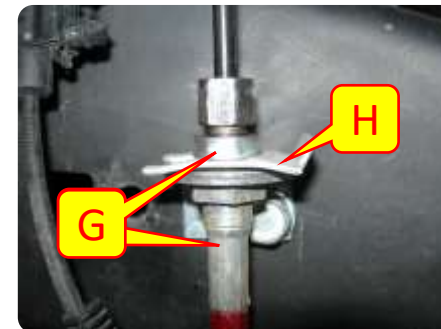
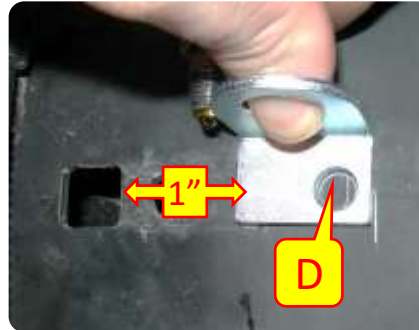
- A. Use a 15mm Socket to remove the 'banjo' bolt from the brake calipers. You will want an oil drain pan to catch the brake fluid.
- B. Unclip the ABS line from the brake line (all the way down), and use a 10mm Socket to remove the bolt holding the stock bracket. Remove the frame clip and discard.
- C. Use a 12mm Wrench to unscrew the stock brake line from the frame bracket.



Section 3: Installation Instructions

Step 2: Install Front Brake Line

- D. Space the provided L-Bracket 1" rearward from the frame opening, and center-punch or mark the hole location.
- E. Drill the hole with an 'I' [.272"] Drill.
- F. Use a 1/2" Socket to install the 5/16"-18 Hex Head Self-Tapping Screw. Do not fully tighten.
- G. Install the 24-1/2" Brake Line through the bracket. Screw the stock line into the new Brake Line and tighten using a 12mm and 17mm Wrench.
- H. Install the provided Spring Clip to retain the Brake Line in the Bracket. You may need a hammer to lightly tap this clip into place. Fully tighten the 5/16" Screw.
- I. Feed the banjo screw through the square end of the Brake Line. Use the provided Brass Washers on both sides of the Brake Line as shown.
- J. Re-install the banjo screw into the brake caliper.
- K. Zip-tie the ABS line to the new Brake 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 <http://project-jk.com/jeep-jk-write-ups/jeep-jk-wrangler-maintenance-bleeding-your-brakes>.*