



## PRODUCT: TJ Front Replacement Brake Lines

REV: A | 08-21-2015 | II-1107/1108

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



Socket & Ratchet Wrench

3/8" Box Wrench  
1/2" Box Wrench



Hammer

L (.290) or 9/32" Drill Bit



Drill

**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 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 3: Product Components

DC-0001 REV A

SHEET 1 OF 1

	1	2	3	4	5	6	7	8
	ITEM	PART NUMBER/DESCRIPTION			QTY.			
	1	FA-1106 BRAKE LINE RETAINING CLIP			2			
	2	FA-1107 COPPER CRUSH WASHER			4			
E	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-1108 BRAKE LINE, TJ FRONT 24.5L			2			

THE INFORMATION CONTAINED ON THIS DRAWING IS THE EXCLUSIVE PROPERTY OF ARMORED WORKS, LLC. UNAUTHORIZED REPRODUCTION IS PROHIBITED.  
**DO NOT SCALE DRAWING**

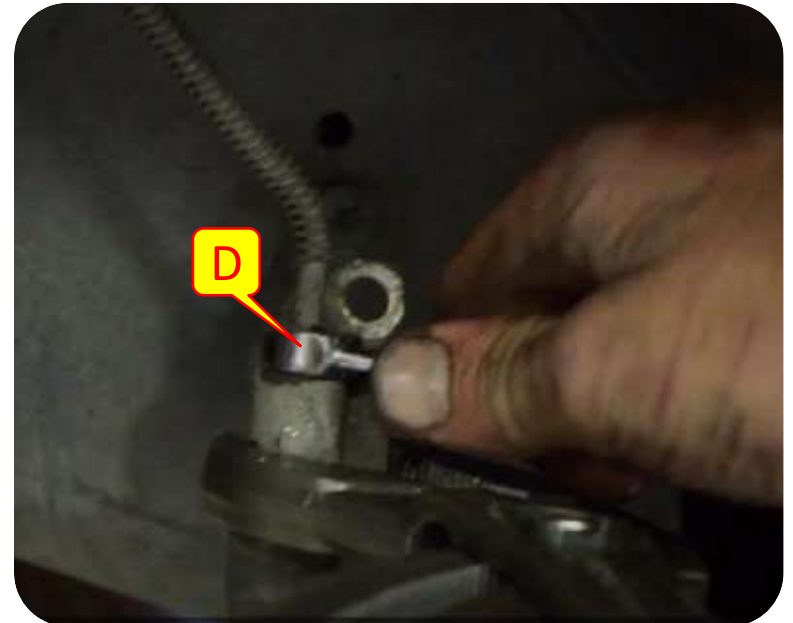
**Metal Cloak**  
 A DIVISION OF ARMORED WORKS, LLC

<b>PART NUMBER</b>	1108 BRAKE LINE KIT, TJ FRONT 24.5L
<b>DESCRIPTION</b>	

## Section 2: Installation Instructions

### Step 1: Remove Stock Front Brake Lines

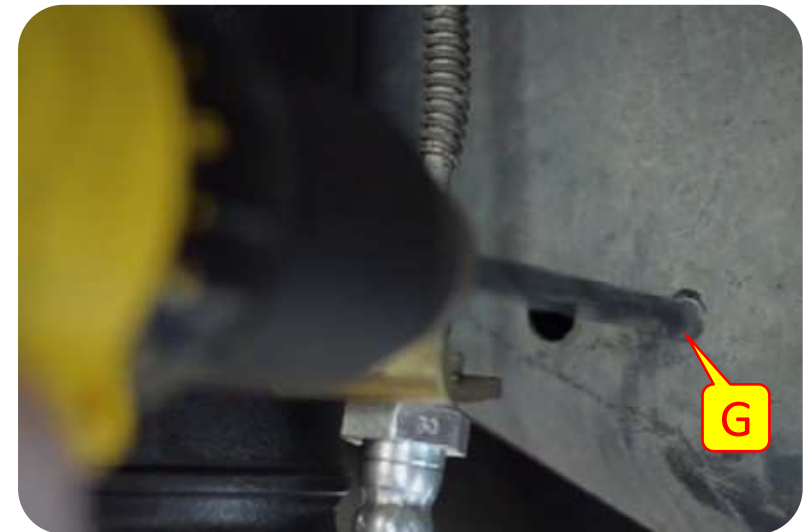
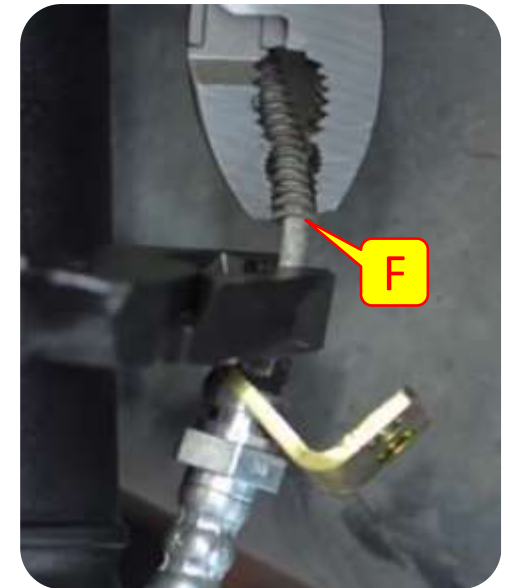
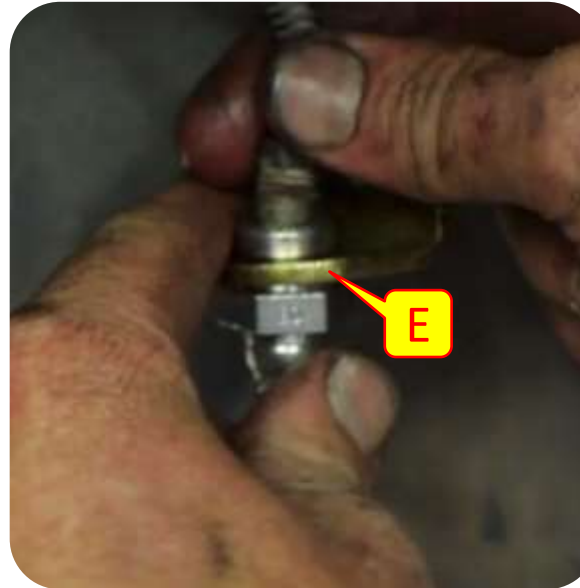
- A. Raise vehicle and support with stands.
- B. Remove front tire.
- C. Remove brake hose mounting screw from inner fender well using 3/8" box wrench.
- D. Disconnect bottom of brake line using 3/8" box wrench.



## Section 2: Installation Instructions

### Step 2: Install Front Brake Lines

- E. Install new brake line and bracket.
- F. Carefully straighten bend from brake hardline.
- G. Mark new bracket location and drill holes using a L drill bit or a 9/32" drill bit.
- H. Re-attach brake line to inner fender well using a 1/2" box wrench.
- I. Use hammer to install brake line retainer clips.
- J. Bleed brakes before driving.





## Section 2: Installation Instructions



Step 3: Bleed Brake Lines

**Important Note:** *Before driving bleed brake lines.*

