



Installation Instructions



## PRODUCT: Front Bump Stop Kit

REV: C | 06-25-2015 | II-7040

**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.



**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 1: Tools & Notes on Installation



**Vehicle Setup:** the chart below is not definitive, but is provided as a resource for the purpose of guidance and planning. Your individual build may require addition or removal of Bump Stop Pucks to achieve the ideal geometry setup.

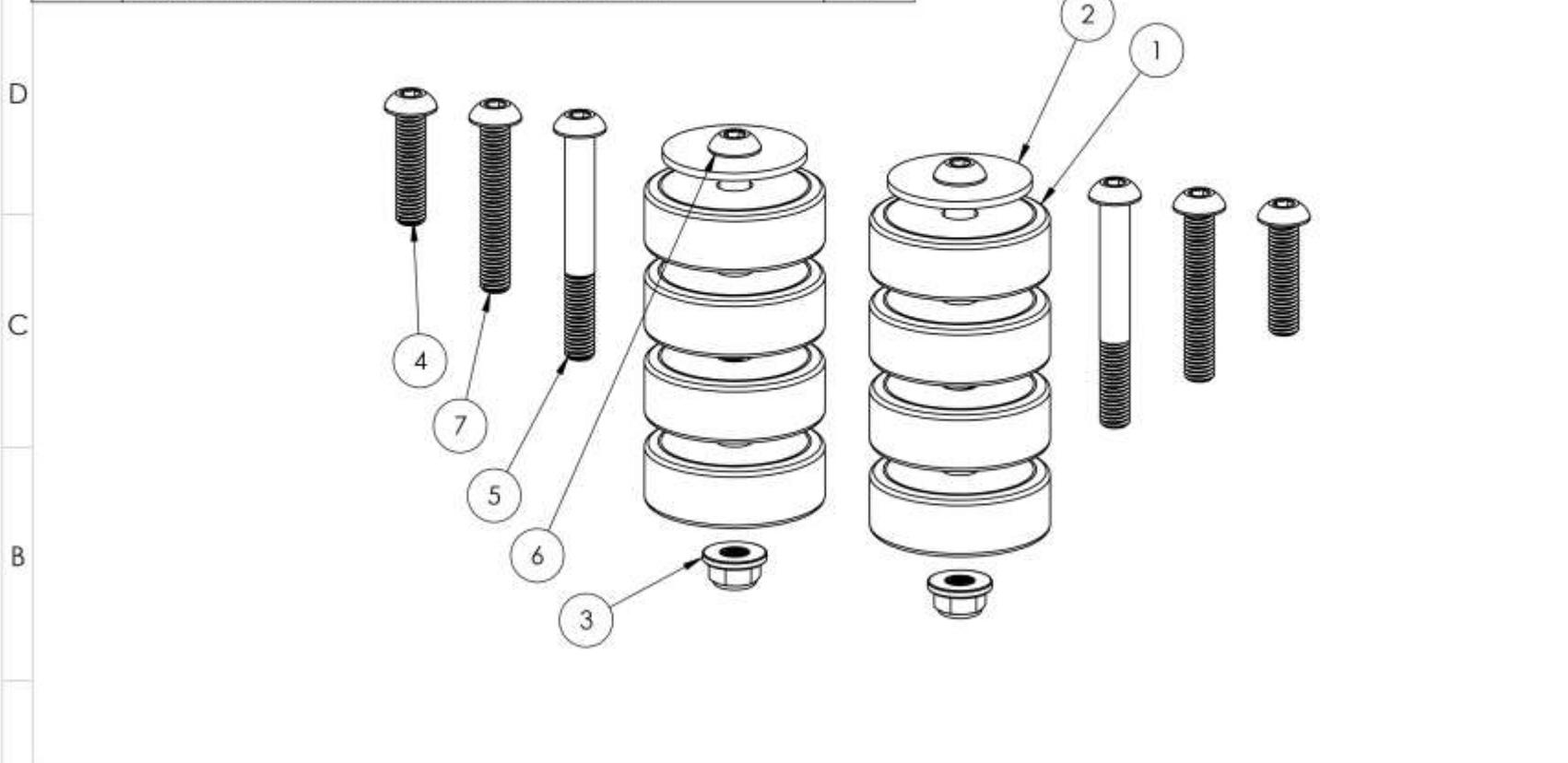
2007+ JEEP Wrangler JK with recommended MetalCloak 6-Pak Shocks					
	Tire Size				
	31"	33"	35"	37"	40"
Stock Fenders (not trimmed)	1"	1"	3"	NR	NR
Generic Aftermarket Fenders (Poison Spyder, Xenon, Bushwacker)	1"	1"	2"	3"	NR
MetalCloak High Clearance Overline Fender System	1"	1"	1"	2"	4"

# Section 2: Product Components

DC-0001 REV A

SHEET 1 OF 1

ITEM	PART NUMBER/DESCRIPTION	QTY
1	SS-1085 BUMP STOP, PUCK 3.0 DIA X 1.0 THICK	8
2	SS-1086 BUMP STOP, COVER PLATE 3.0 DIA	2
3	FA-2040 NYLOCK FLANGE NUT, 0.5-13 STL ZNC PLTD	2
4	FA-2072 SBHCSCREW, 0.5-13 X 2L BLK ZNC STL	2
5	FA-2074 SBHCSCREW, 0.5-13 X 4L BLK ZNC STL	2
6	FA-2075 SBHCSCREW, 0.5-13 X 5L BLK ZNC STL	2
7	FA-2073 SBHCSCREW, 0.5-13 X 3L BLK ZNC STL	2



<b>A</b>	<b>TOLERANCES UNLESS OTHERWISE SPECIFIED</b>				THE INFORMATION CONTAINED ON THIS DRAWING IS THE EXCLUSIVE PROPERTY OF ARMORED WORKS, LLC. UNAUTHORIZED REPRODUCTION IS PROHIBITED. <b>DO NOT SCALE DRAWING</b>	 A DIVISION OF ARMORED WORKS, LLC	
	DIMENSIONS ARE IN INCHES	DECIMAL	FRACTION	ANGULAR			SURFACE
	ANGLES ARE 90 DEG UNLESS OTHERWISE SPECIFIED	.XX +/- .010 .XXX +/- .005	+/- 1/16	+/- 1 DEG			.32
<b>CURRENT REVISION</b>	[C][BAM][04/30/14]	TOP WASHER, BUTTON HARDWARE			<b>PART NUMBER DESCRIPTION</b>	7040 BUMP STOP KIT, 1.0-4.0 JK FRONT	
<b>PREVIOUS REVISION</b>	[B][BAM][11/23/11]	ADDED FOURTH PUCK					

## Section 3: Installation Instructions



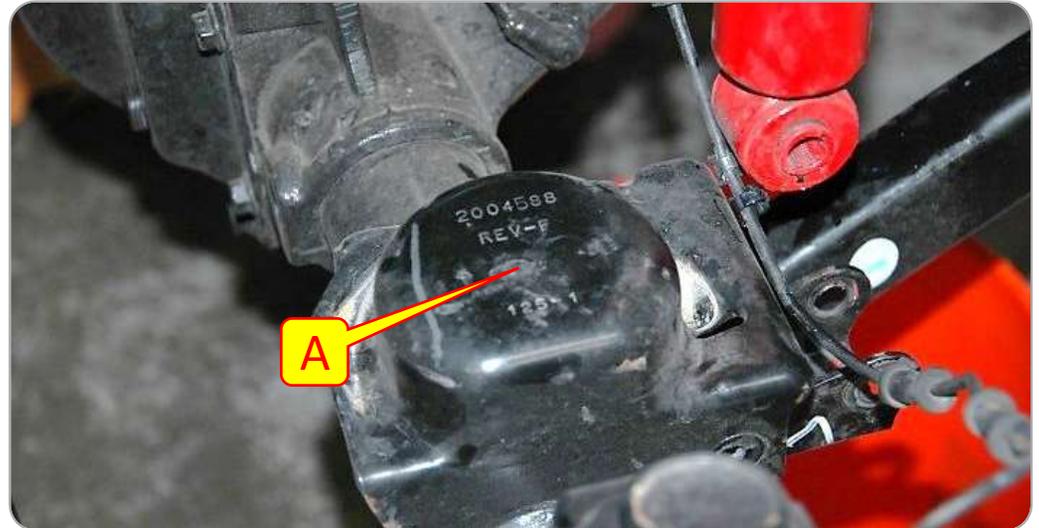
**IMPORTANT NOTE:** *To install lift components you will need to fully 'droop' your suspension in the front and rear (not at the same time). We strongly recommend that the vehicle be placed on an automotive lift and that all appropriate safety precautions be taken to secure the vehicle while it is off the ground. Always use the necessary axle stands (or equivalent) to support the axle when the suspension components are disconnected for safety, and to ensure the integrity of your suspension system during the installation process.*

## Section 3: Installation Instructions



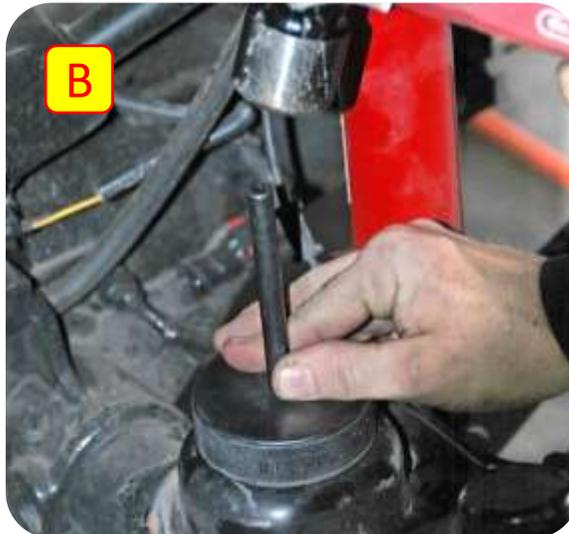
### Step 1: Remove Springs

- A. Droop your suspension and remove your springs to gain access to the spring perch. This process may include disconnecting shocks, sway-bar links, track-bar, and/or steering drag link.



### Step 2: Drill Spring Cup

- B. Center a Bump Stop Disk on the top of the spring perch and mark the center of the hole.
- C. Drill a hole at the marked location. You can use any drill size from size 1/2" to size 9/16".



## Section 3: Installation Instructions

### Step 3: Install Bump Stop

- D. Select the appropriate Screw length so that the threads stick out of the bottom Disks approximately  $\frac{3}{4}$ ". Assemble your bump stops by feeding the  $\frac{1}{2}$ " Countersunk Screw through the Cover Plate, and then threading through the Bump Stop Disks. The center hole in the Disk is intentionally small to create the most rigid assembly possible after installation.
- E. **IMPORTANT!** Place the assembled Bump Stop inside the spring before re-installing. Re-install the spring and place the end of the  $\frac{1}{2}$ " Screw in the drilled hole.
- F. The  $\frac{1}{2}$ " Screw is backed by a  $\frac{1}{2}$ " Flanged Nylon Lock Nut. Install the nut and tighten the hardware using a  $\frac{5}{16}$ " Hex Key Socket or Allen Wrench and a  $\frac{3}{4}$ " Wrench. Tighten until everything is tight; the hardware will not bottom out, but instead will begin to compress the Disks.
- G. Repeat all steps for other side, and then re-install all other suspension components.

