



**PRODUCT: Stock Metal Bumper Reinforcement Braces**

REV: A | 08-19-2022 | R75048

**READ INSTRUCTIONS IN FULL BEFORE INSTALLATION.**

**QUESTIONS? CALL 916-760-4575 M-F 7:00 AM – 5:00 PM PST**

The ARS 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 ARS 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 way 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 ARS 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 ARS 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 ARS 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.



Socket Wrench

16mm Wrench



5/16 Bit

7mm Socket  
16mm Socket

8mm Socket  
3/4" Socket



**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 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 916-760-4575 M-F 7:00 AM – 5:00 PM PST.

Section 2: Product Components



DC-0001 Rev B

SHEET 1 OF 2

ITEM	PART NUMBER/DESCRIPTION	QTY.
1	CS-0179 PLT, REAR LOWER METAL BUMPER BRACKET, JL	1
2	CS-0179-P PLT, REAR LOWER METAL BUMPER BRACKET, JL	1
3	CS-0180 BILLET, REAR MOUNTING SPACER, JL	4
4	WM-7046 WELDMENT, REAR INNER HOOP SUPPORT BRACKET, METAL BUMPER, JL	1
5	WM-7046-P WELDMENT, REAR INNER HOOP SUPPORT BRACKET, METAL BUMPER, JL	1
HK-75048		
6	FA-2022 PUSH IN RIVET, 0.312 X 0.875 BLK PLASTIC	6
7	FS-08038 SERRATED FLANGE LOCK NUT, 0.5-13 X 0.45H STL GF ZINC	4
8	FS-08221-BZ CARRIAGE BOLT, 0.5-13 X 1.25L STL G5 BLACK ZINC	4

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**DO NOT SCALE DRAWING**

**Metal Cloak**  
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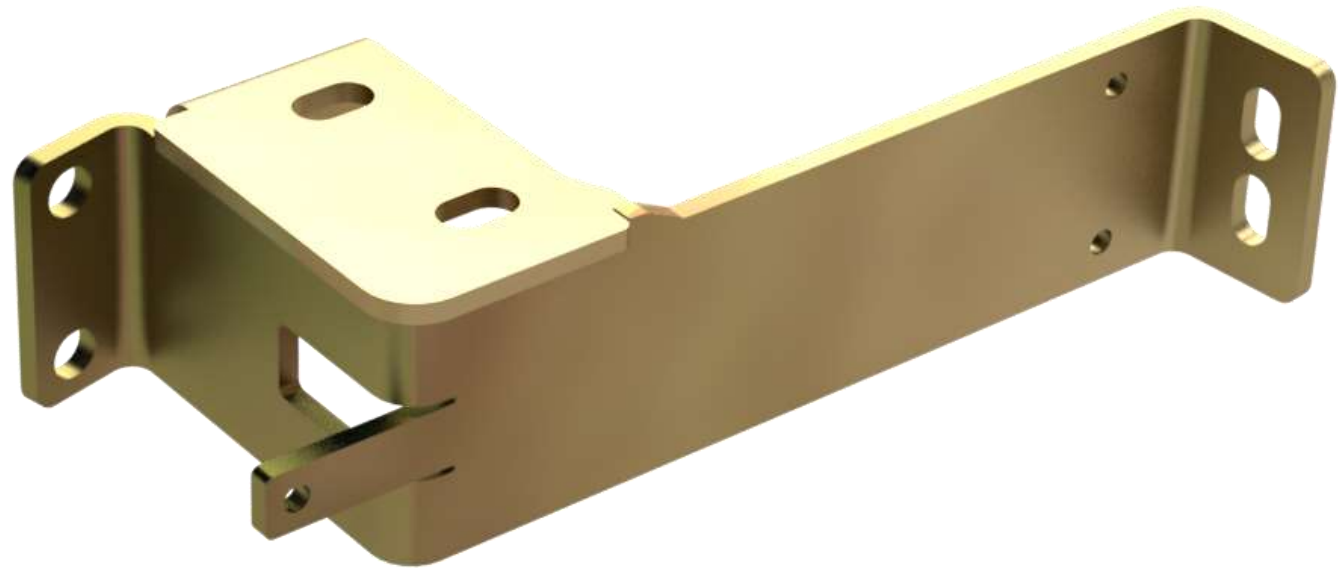
**PART NUMBER/DESCRIPTION**  
R75048 OE REAR METAL BUMPER SUPPORT, JL

## Section 3: Installation Instructions



### Step 5: Rear Hoop Mounting Brackets *(Stock Metal Bumper)*

Outer Bracket



Inner Bracket



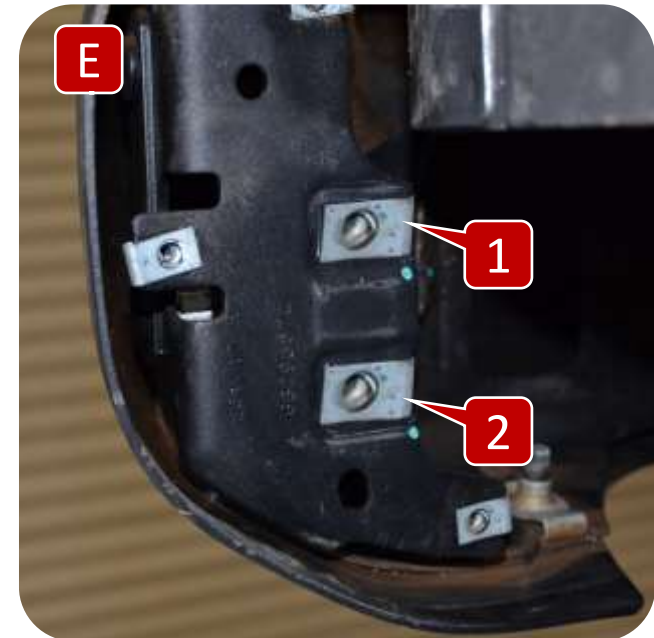
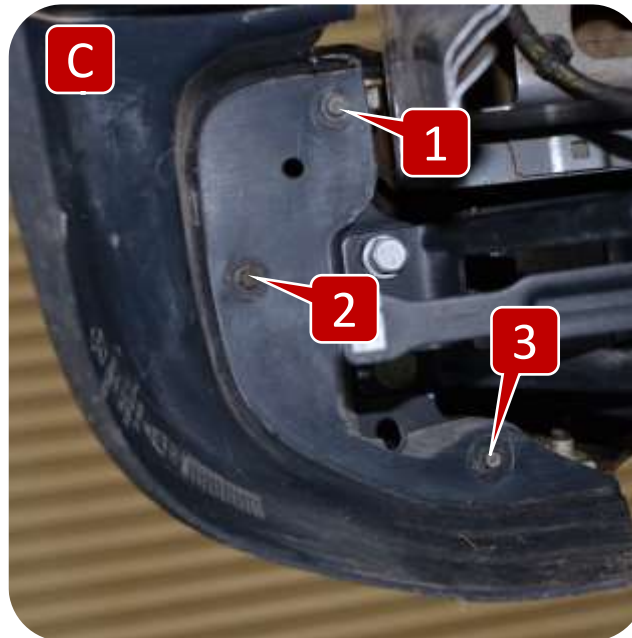
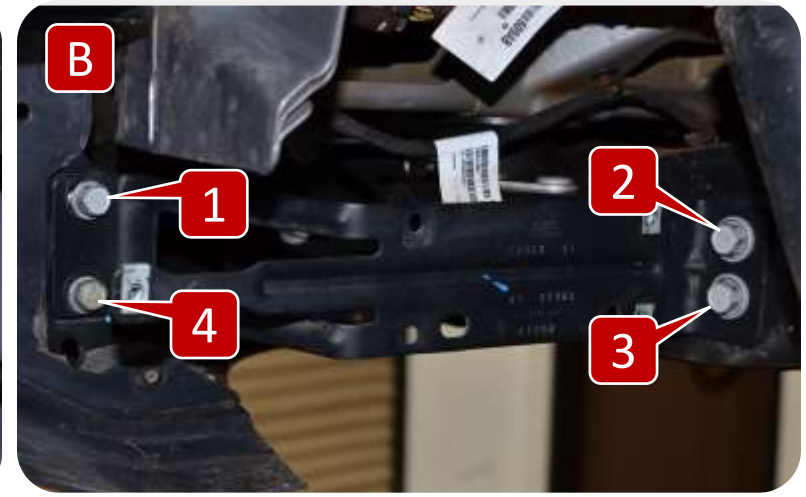


## Section 3: Installation Instructions



### Step 5: Rear Hoop Mounting Brackets (Stock Metal Bumper)

- A. Using an 8mm socket remove the 3 bolts mud shield.
- B. Using a 16mm socket remove the 4 bolts bumper outer bracket. **SAVE ALL HARDWARE.**
- C. Using a 7mm socket remove the 3 bolts to remove the plastic bumper end cap. **SAVE ALL HARDWARE.**
- D. Using a 16mm wrench disconnect the two nuts from the bumper bolts. **SAVE ALL HARDWARE.**
- E. Remove the two nut clips.

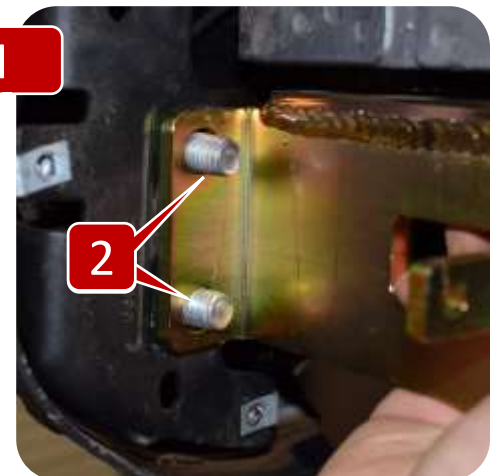
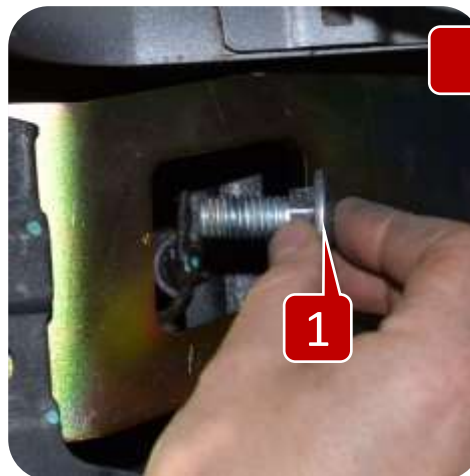
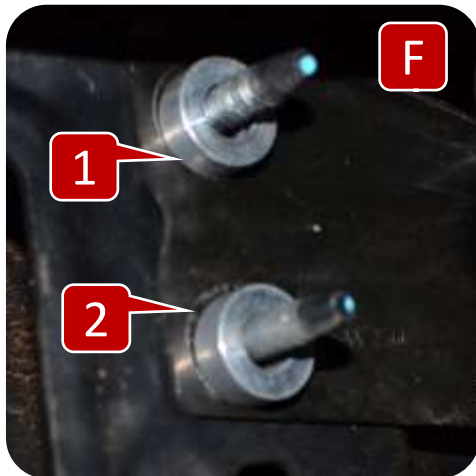


## Section 3: Installation Instructions



### Step 5: Rear Hoop Mounting Brackets (Stock Metal Bumper)

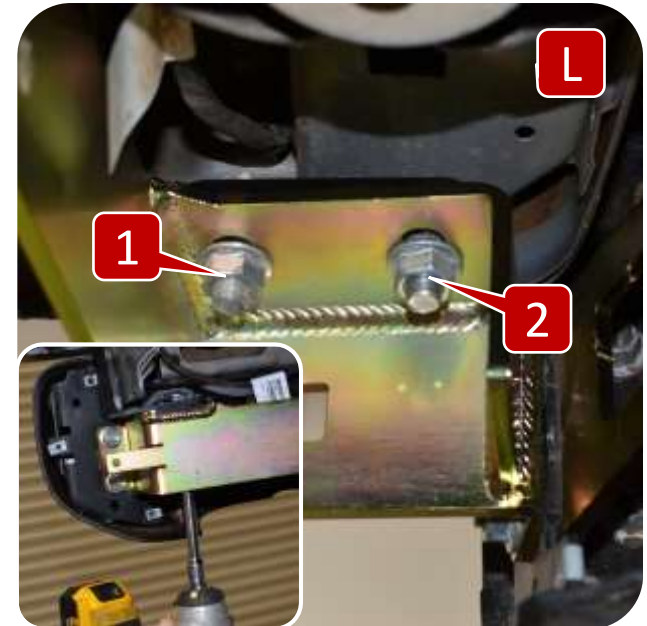
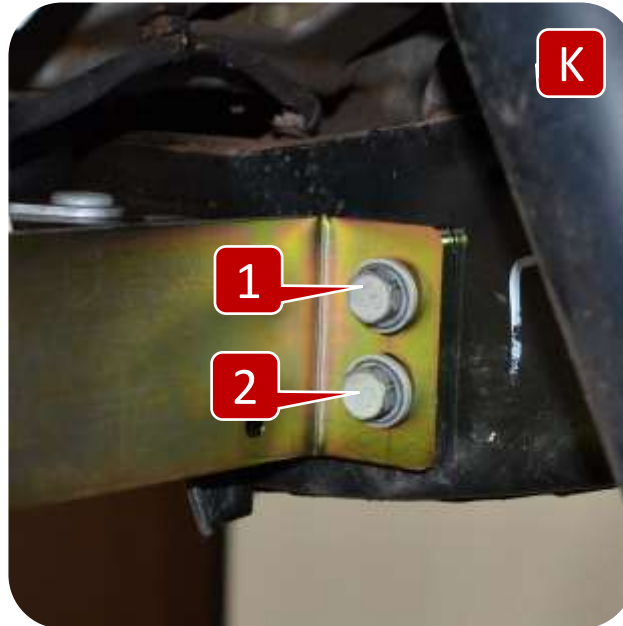
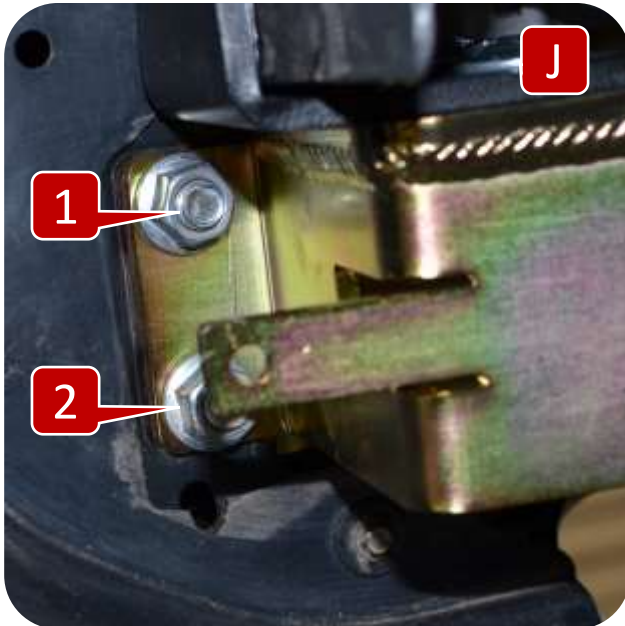
- F. Install the provided spacers onto the two bumper bolts.
- G. Install the inner support bracket onto the two bumper bolts and using the stock nuts tighten the bracket to the bumper making sure to keep the other end aligned with the nut clip hole locations. Once aligned torque the nuts to 30 ftlbs.
- H. Loosely install the outer support bracket to the frame using the stock 16mm bolts.
- I. Insert the provided carriage bolts through the bolt window located on the inner support bracket and push the bolt through the nut clip hole location.



## Section 3: Installation Instructions

### Step 5: Rear Hoop Mounting Brackets (*Stock Metal Bumper*)

- J. Install the provided nuts onto the carriage bolts and tighten using a 3/4" socket and torque to 30ftlbs.
- K. Using a 16mm socket tighten the outer bracket at the frame and torque to 30 ftlbs.
- L. Make sure the rack bracket clears the jeep body then tighten the carriage bolts using a 3/4" socket and torque to 30 ftlbs





## Section 3: Installation Instructions



### Step 5: Rear Hoop Mounting Brackets (*Stock Metal Bumper*)

- M. Reinstall the stock bumper end cap using the stock 7mm bolts.
- N. Using a 5/16 drill bit enlarge the 3 stock bolt hole locations on the mud guard.
- O. Using the provided plastic rivets install the mud guard.

