



**PRODUCT: JL Wrangler Front Stock Diff Cover Skid Kit**

REV: A | 05-30-2023 | II-6393

**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.



Socket & Ratchet Wrench

9/16" Socket



10mm Box Wrench  
9/16" Box Wrench  
5/8" Box Wrench

1/8" Up to 3/8" Drill Bits



7/32" Allen 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.

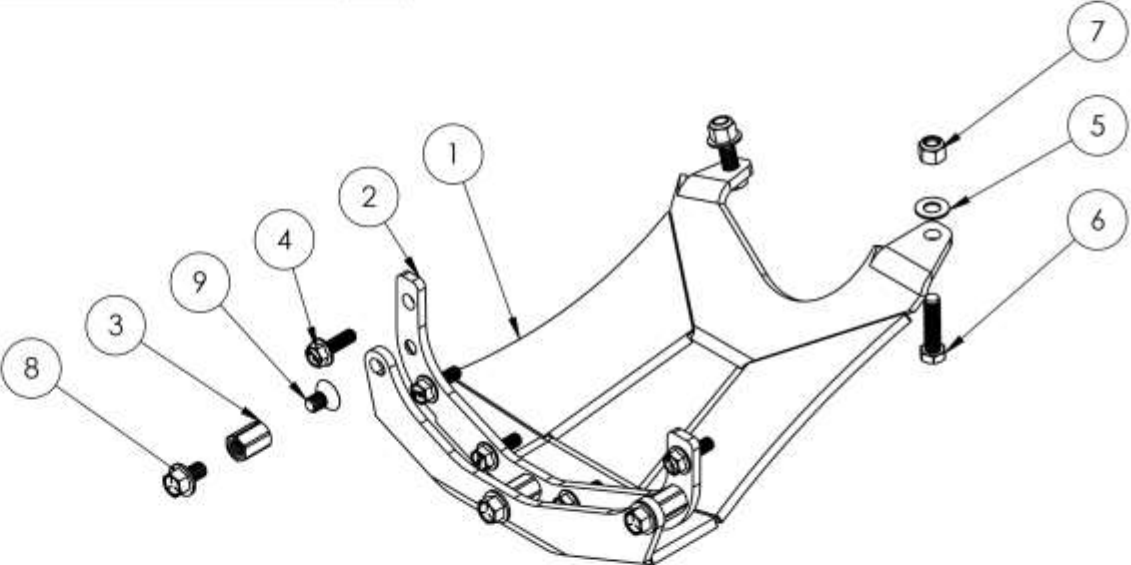
## Section 2: Product Components

DC-0001 Rev B

SHEET 1 OF 2

ITEM	PART NUMBER/DESCRIPTION	QTY.
1	WM-5905 WELDMENT, DIFF SKID, DANA M210, JL FRONT	1
2	SS-5909 DIFF SKID MOUNT, DANA M210, JL FRONT	1
E 3	FS-06353 STANDOFF, 0.38-16 X 0.88L SS HK-6393	3
4	FM-08281 HHCS FLANGE, M8-1.25 X 25L STL C10.9 ZINC	6
5	FS-06004 WASHER, 0.41ID X 0.81OD X 0.05TH SS 18-8	2
6	FS-06015 HHCS, 0.38-16 x 1.5L STL G8 ZINC, FULL THREAD	2
7	FS-06030 NYLOCK NUT, 0.38-16 X 0.45H STL GF ZINC	2
8	FS-06080 HHCS SERRATED FLANGE, 0.38-16 X 0.63L STL G5 ZINC	3
9	FS-06354 SFHCS, 0.38-16 X 0.68L SS 18-8 PLAIN	3

D NOTES:  
 1) WM-5905 FITS AXLES WITH A DRAIN PLUG IN BOTTOM OF AXLE HOUSING



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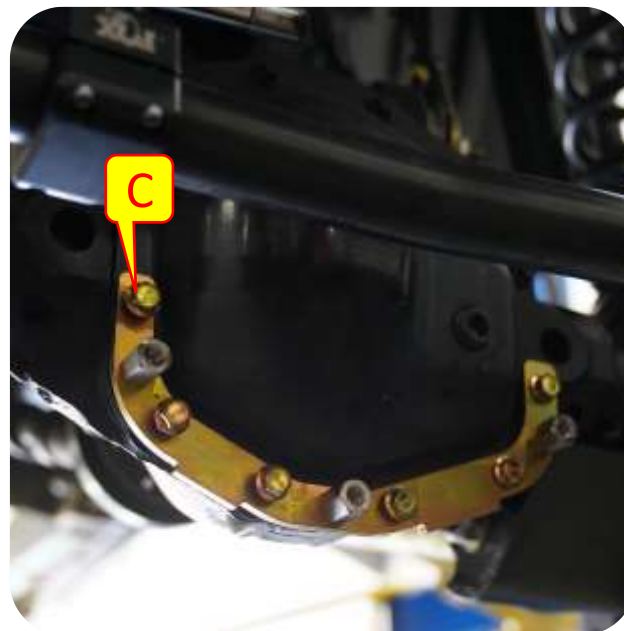
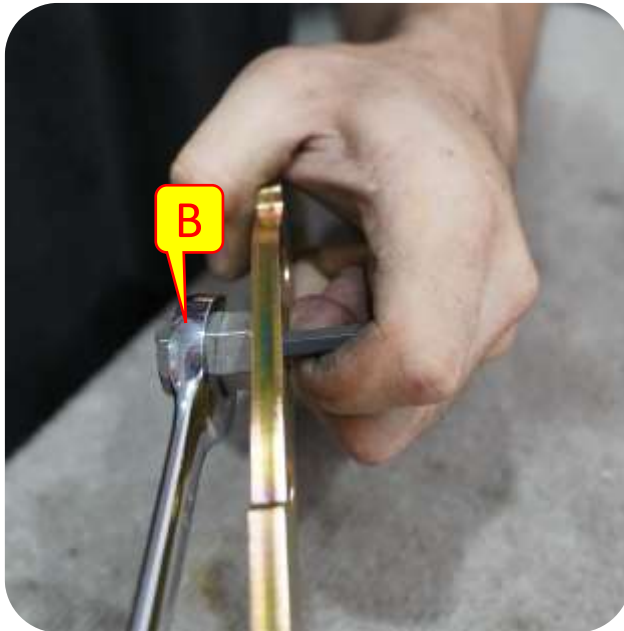
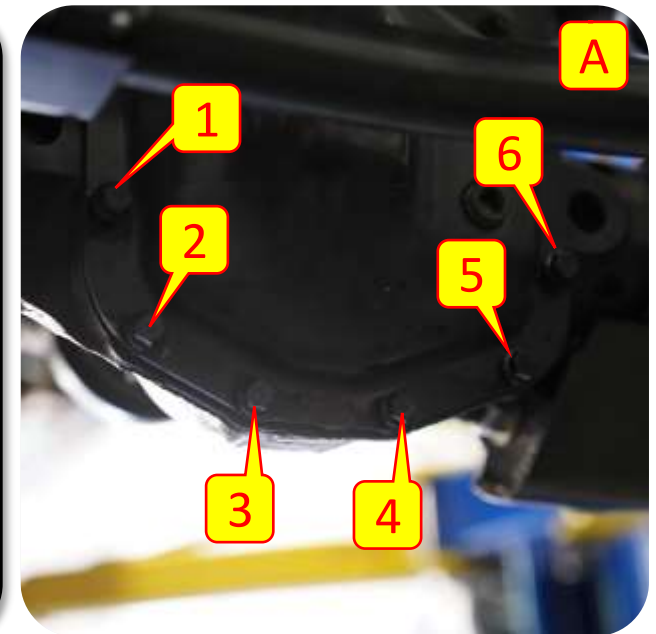
**Metal Cloak**  
 A DIVISION OF ARMORED WORKS, LLC

**PART NUMBER/DESCRIPTION**  
 6393 STOCK DIFF COVER KIT, DANA M210, WITH DRAIN PLUG, JL FRONT

## Section 3: Installation Instructions

### Step 1: Differential Skid Mount Installation

- A. Remove the lower six stock bolts on the stock differential cover with a 10mm wrench.
- B. Install the provided spacers to differential skid mount with the counter sink head bolts using a 7/32" allen and a 5/8" box wrench.
- C. Place the diff skid mount to the differential cover.
- D. Install the differential cover skid mount bolts and tighten with a 13mm socket or wrench.

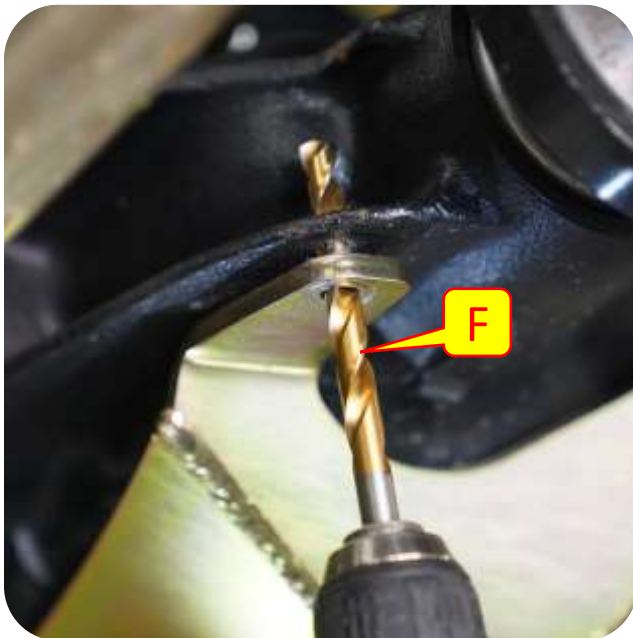




## Section 3: Installation Instructions

### Step 2: Differential Skid Installation

- E. Install the skid plate to the standoffs with the provided bolts and tighten with a 9/16" socket.
- F. Using a 3/8" drill bit drill out the marked hole. MetalCloak recommends using a 1/8" bit to drill a pilot hole and stepping up to a 3/8" bit.
- G. Using the provided hardware, install the rear skid plate bolt on the driver side.
- H. For the passenger side, place the clamp plate over the webbing so that the bent flange sits on the mounting ear of the skid plate and the holes line up, then fasten down with the supplied bolt and nut.



## Section 3: Installation Instructions

### Step 2: Differential Skid Installation

- I. Using a 9/16" socket and wrench tighten the passenger side rear bolt. Tighten to 30 ft lbs.
- J. Tighten the rear skid plate bolts on the driver side using a 9/16" socket and wrench.
- K. Make sure all hardware is fully tightened.

