



## PRODUCT: RAM Front Stock Shock Extensions

REV: B | 11-21-2022 | II-8030

**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 vehicle 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 vehicle 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

9mm Socket  
21mm Socket  
22mm Socket



16mm Wrench  
18mm Wrench  
22mm 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.

**Ram Model:** Instructions may apply to multiple truck models but are labeled separately where appropriate.

**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

	1	2	3	4	5	6	7	8
E	ITEM	PART NUMBER			QTY.			
	1	WM-8077 WELDMENT, SHOCK EXTENSION, RAM			2			
	2	SS-8000 HEX BAR, SHOCK EXTENSION PIN, RAM 2500			2			
	HK-8033							
	3	FM-14151 HHCS, M14-2.0 X 70L STL C10.9 ZINC			2			
D	4	FM-14126 TOPLOCK NUT, M14-2.0 X 14H STL C10 ZINC			2			
	5	FS-09119 WASHER, 0.59ID X 1.16OD 0.10TH STL GOLD ZINC			4			

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**DO NOT SCALE DRAWING**

**PART NUMBER/DESCRIPTION**  
8030 STOCK SHOCK EXTENSION KIT, RAM 2500

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

## Section 3: Installation Instructions



### Step 1: Disconnect Stock Ram Front Shocks

- A. Using a 9mm socket and 18mm wrench remove the front upper shock end.
- B. Using a 21mm socket remove the front lower shock end.



## Section 3: Installation Instructions



### Step 2: Install Front Upper Shock Extensions

- C. Remove the rubber isolators and washers off the top of the shock. Save all hardware for reinstallation.
- D. Thread the shock extension on the top of the shock.
- E. Install one of the stock washers and rubber isolators onto the shock extension.



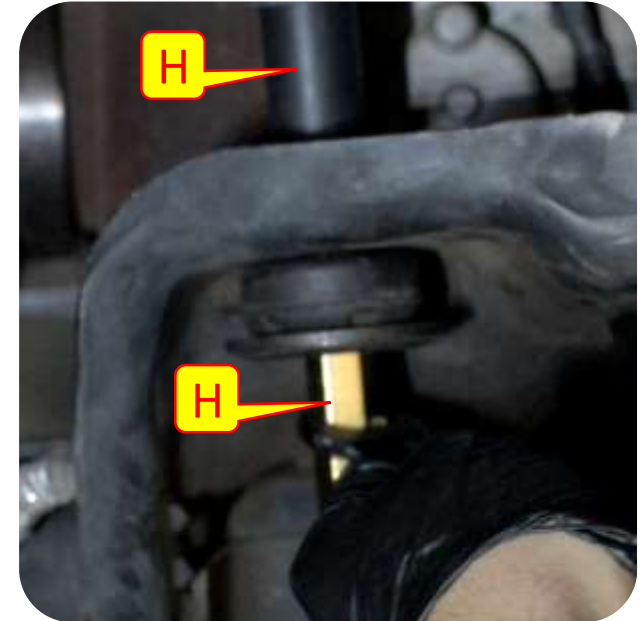
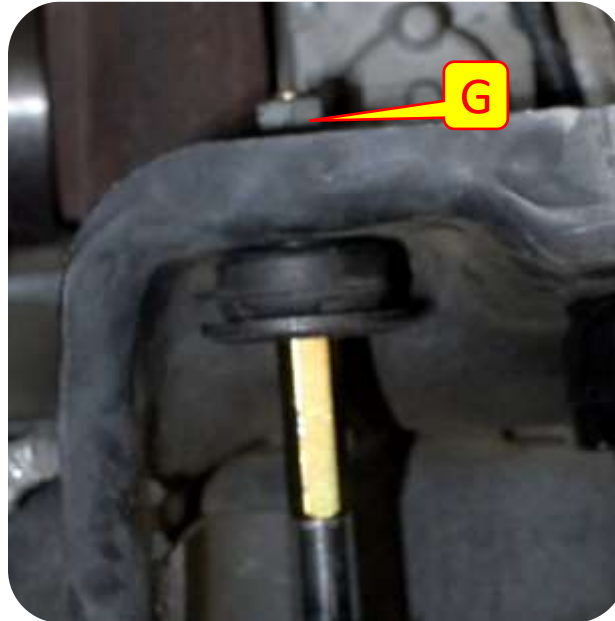
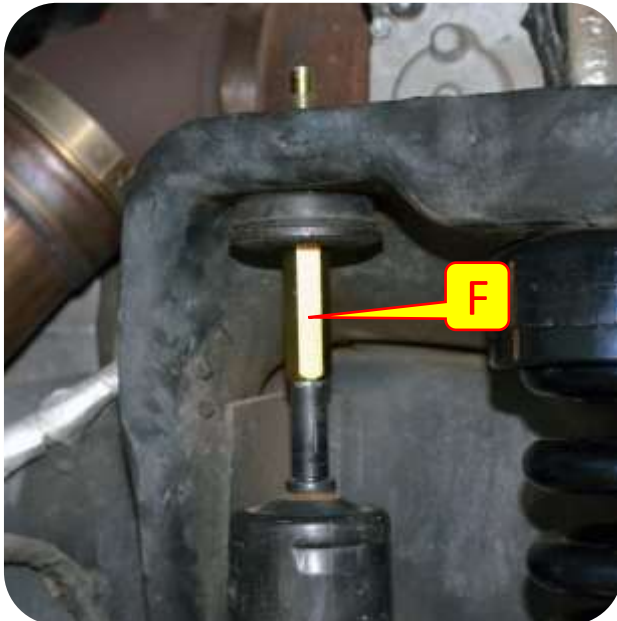


## Section 3: Installation Instructions



### Step 2: Install Front Upper Shock Extensions

- F. Install the upper shock in the stock location.
- G. Install the other rubber isolator and washer onto the top of the shock extension and install the stock nut.
- H. Tighten the upper nut using a 16mm wrench on the shock extension and a 18mm wrench on the nut.



## Section 3: Installation Instructions



### Step 3: Install Front Lower Shock Extensions

- I. Place the lower shock mount into shock extension and loosely install the provided 22mm hardware.
- J. Place the shock extension into the factory lower shock mount and reinstall the factory 21mm hardware.
- K. Tighten down all hardware.

