



PRODUCT: RAM 2500 Leveling Kit

REV: A | 07-11-2022 | II-8071

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 13mm Socket
19mm Socket 21mm Socket
24mm Socket 9/16" Socket
1 1/16" Socket



16mm Wrench 18mm Wrench
24mm Wrench 1 1/16" Wrench

5/16" 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 truck 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

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 1

ITEM NO.	PART NUMBER	QTY.
1	8030 STOCK SHOCK EXTENSION KIT, RAM 2500	1
2	8070 COIL SPACERS, DODGE RAM 2500 14+	1
3	8072 CONTROL ARM DROP BRACKET, RAM 2500 (14+) FRONT	1

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DO NOT SCALE DRAWING

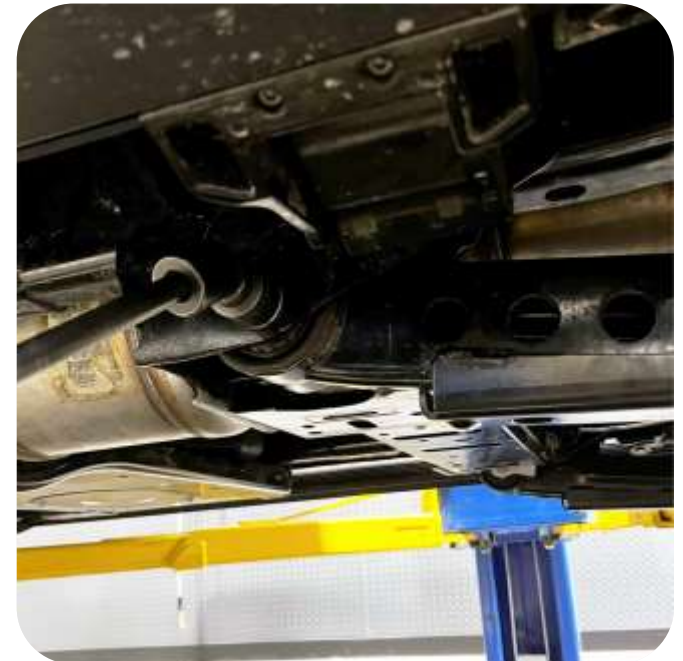
METAL CLOAK
 A DIVISION OF ARMORED WORKS, LLC

PART NUMBER/DESCRIPTION
 8071 BUDGET BOOST 2.5IN, RAM 2500 (14+)

Section 3: Installation Instructions

Step 1: Disconnect Stock Front Control Arms

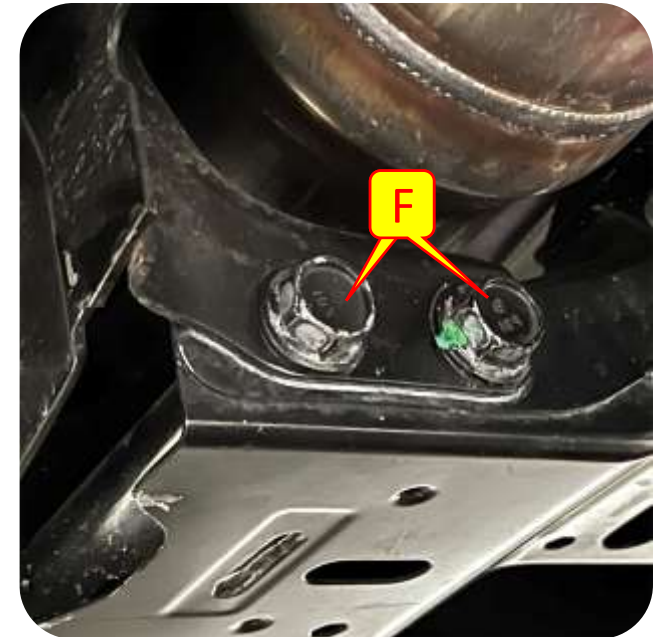
- A. Remove the factory transfer case skid plate using a 13mm socket.
- B. Remove the control arm bolt from the upper axle mount using a 1 1/16 socket and wrench.
- C. Loosen the control arm bolt from the lower axle mount with a 1 1/16 socket and 24mm wrench.
- D. Carefully remove the control arm bolt from the frame using a 1 1/16 socket. after the bolt is removed, the control arm will fall out of place.



Section 3: Installation Instructions

Step 2: Install Front Control Arm Drop Brackets

- E. Support the crossmember that the transmission is mounted to using a floor jack or something similar.
- F. Remove the bolts from the cross member that are located behind the control arm you just removed using a 24mm socket and wrench.
- G. Slide the longer spacer provided into a factory hole in the frame as shown.
- H. Place the drop bracket in the factory control arm mount and using the provided 24mm bolts, replace the factory crossmember hardware and install through the drop bracket, loosely install the factory flange nuts.



Section 3: Installation Instructions

Step 2: Install Front Control Arm Drop Brackets

- I. Slide in the shorter spacer (I1) into the drop bracket and loosely install the factory bolt through the bracket and spacer in its factory location (I2).
- J. Install the provided 24mm bolt through the bracket and frame where the first spacer was placed.
- K. Loosely install the provided 19mm bolt and washer through the drop bracket and through the bottom of the frame.
- L. Install the control arm into the drop bracket using the provided bolt and tighten using a 1 1/16 socket and wrench.
- M. Reinstall the control arm to the top axle mount with the factory hardware using a 1 1/16 socket and wrench.
- N. Tighten all the hardware, leaving the bottom control arm mount to axle loose.



Section 3: Installation Instructions

Step 3: Disconnect Stock Ram Front Shocks

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



Section 3: Installation Instructions

Step 4: Install Front Shocks & Extensions

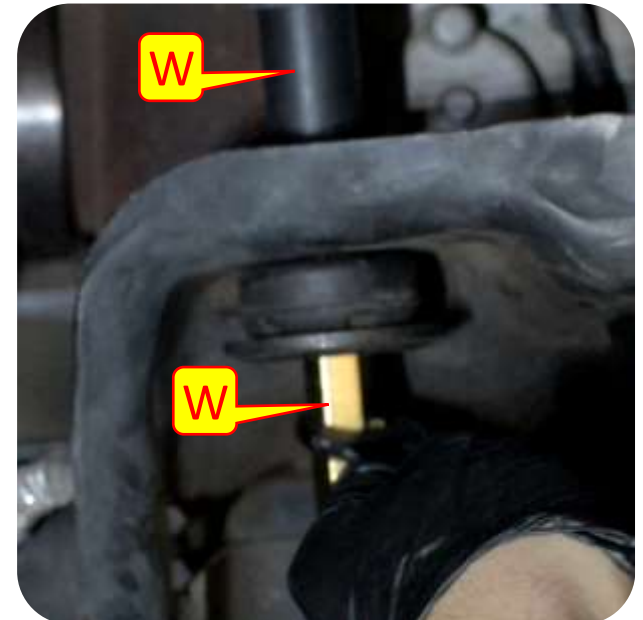
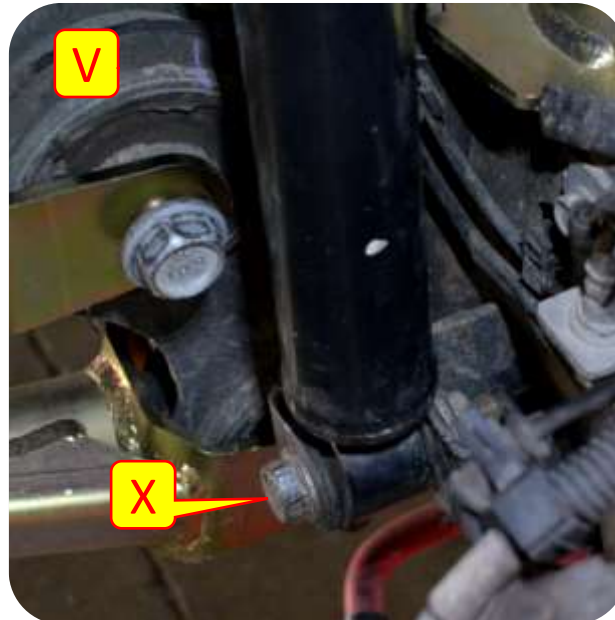
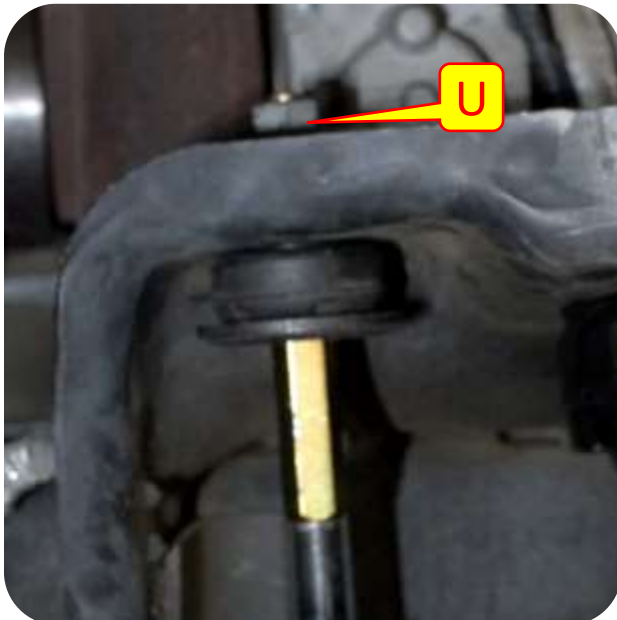
- Q. Remove the rubber isolators and washers off the top of the shock. Save all hardware for reinstallation.
- R. Thread the shock extension on the top of the shock.
- S. Install one of the stock washers and rubber isolators onto the shock extension.



Section 3: Installation Instructions

Step 4: Install Front Shocks & Extensions

- T. Install the upper shock in the stock location.
- U. Install the other rubber isolator and washer onto the top of the shock extension and install the stock nut.
- V. Install the lower end of the front shock into the stock location and using the stock hardware.
- W. Tighten the upper nut using a 16mm wrench on the shock extension and a 18mm wrench on the nut.
- X. Using a 21mm socket tighten the lower shock bolt.



Section 3: Installation Instructions



Step 5: Front Coil Spacer Installation

Z. Lift the vehicle until the coils become unseated.

AA. Remove the upper coil isolators and install them onto the MetalCloak Front Coil Spacers.

BB. Place the lift pucks onto the upper coil mount and install the provided hardware using the provided hardware tightly, using a 5/16 allen wrench and a 9/16 socket.

CC. Lower the vehicle slowly ensuring that the coils seat into the rubber isolators correctly.



Section 3: Installation Instructions



Step 6: Adjusting Caster & Tighten All Hardware

CC. Adjust the castor using the bolts in the control at the lower axle mount. use a 24mm wrench and turn bolt until you achieve a castor angle between 5-6 Degrees.

DD. Once the desired angle is achieved, tighten the bolt with a 24mm wrench and a 1 1/16 wrench.

EE. Replace the transfer case skid plate using a 13mm socket.

FF. Go over everything one more time to Ensure all hardware is sufficiently tightened.