



Installation Instructions



PRODUCT: FRONT & REAR COILS

REV: A | 04-21-2015 | II-Coils

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.

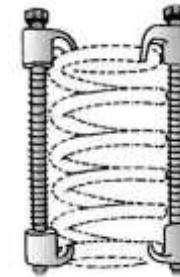


Socket & Ratchet Wrench

16mm Socket 18mm Socket
19mm Socket 21mm Socket
24mm Socket



Coil Compressor
(Optional)



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

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: Installation Instructions



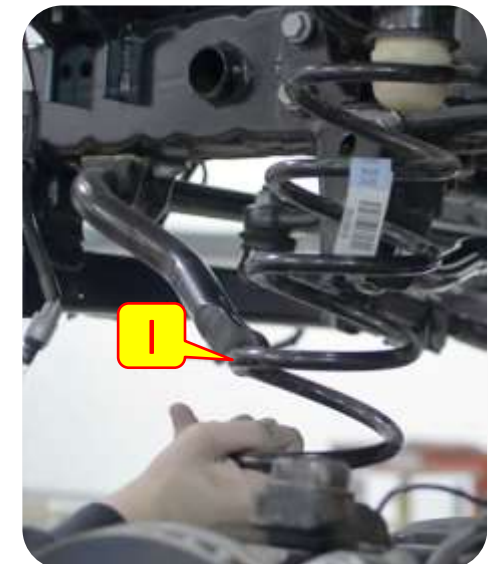
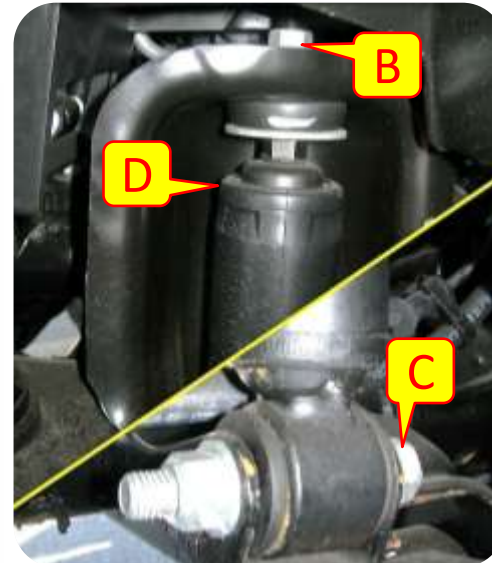
Important Note: *MetalCloak does not recommend powder coating your True Dual Rate Coils. The baking process in powder coating can, in some cases, cause the metallurgical properties of the coils to be changed, resulting in the loss of the lift properties of the coils. As such, the process of powder coating the coils will void any warranty stated or implied in relation to the coils.*

Important note: *To install lift components you will need to fully 'droop' your suspension in the front and rear (though 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 2: Front Coil Installation Instructions

Step 1: Disconnect Stock Components

- A. Lift Jeep and place jack stands under the front axle before disconnecting anything.
- B. To disconnect the front shocks use a 16MM (5/8") socket and wrench to remove the stock nut on top of the upper shock mount tower.
- C. Use a 19MM (3/4") socket and wrench to remove the stock nut and bolt from the lower shock mount bracket located on the axle.
- D. Remove front shocks.
- E. Disconnect track bar at the frame using a 21mm socket.
- F. Disconnect drag link at frame using a 24mm socket.
- G. Use the two 18mm wrenches or socket to unbolt the lower bolt of the sway bar end link. To disconnect the sway bar end links from the axle.
- H. If your Jeep is equipped with ABS be sure there is enough length in the ABS wires at each hub before drooping axle.
- I. Remove stock coil.



Section 2: Front Coil Installation Instructions



Step 2: Install Front Coils

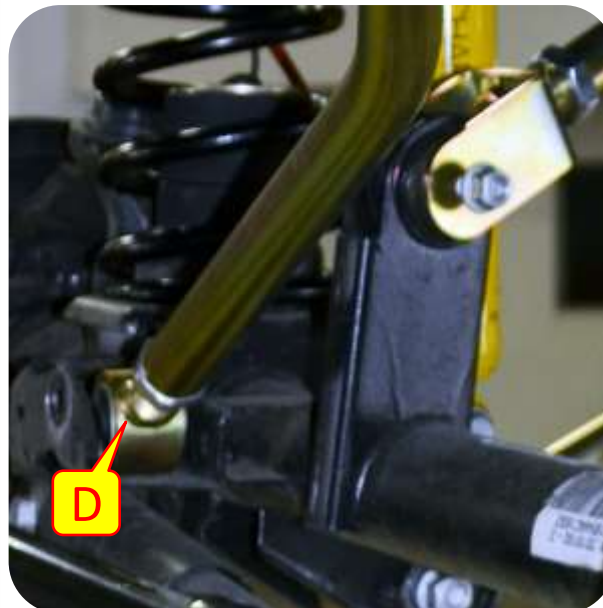
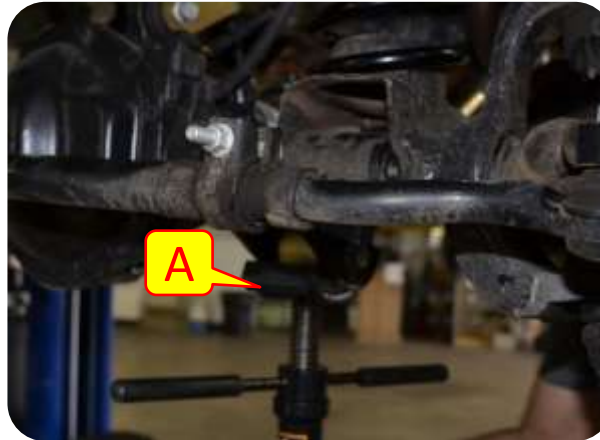
- J. If the axle does not “droop” enough to allow the coil to be put in place a coil compressor can be used to compress the coil to allow fitment.
- K. Install Front Dual Rate Coils with the tightly wound coils oriented upward.
- L. Slip the bottom of the coil onto the coil base on the axle.
- M. Reconnect all disconnected parts.



Section 3: Rear Coil Installation Instructions

Step 1: Remove Rear Stock Components

- A. Lift Jeep and place jack stands under the rear axle before disconnecting anything.
- B. Remove the stock shock using a 19mm Socket and Ratchet to remove the lower bolt, and a 17mm Socket to remove the upper shock mount bolts.
- C. Use an 18mm Hex Socket and Ratchet to remove the bolt that attaches the sway-bar link to the axle.
- D. Disconnect track bar at the axle end using a 21mm socket.
- E. Remove stock coil.



Section 3: Rear Coil Installation Instructions



Step 2: Install Rear Coils

- F. If the axle does not “droop” enough to allow the coil to be put in place a coil compressor can be used to compress the coil to allow fitment.
- G. Place the Rear Coil Cup on top of the Rear Dual Rate Coil.
- H. Install Front Dual Rate Coils with the tightly wound coils oriented upward.
- I. Slip the bottom of the coil onto the coil base on the axle.
- J. Reconnect all disconnected components.

