



PRODUCT: JL Front Bumper

REV: C | 03-24-2020 | II-6160

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 3/4" Socket
8MM Socket 16 MM Socket
18MM Socket



Socket Extension

Electric Drill



Phillips & Flat Screwdrivers

9/16" Drill Bit



Cutting Wheel

5/16 Allen socket or 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

QUESTIONS: Any questions or comments about the instructions? Call us at 916-631-8071 M-F 7:00 AM – 5:00 PM

Section 2: Installation Instructions

Step 1: Remove Stock Bumper

- A. Use a flathead Screwdriver to remove the center “plug” from the Retaining Clips, and then use a Flat Screwdriver to pry the Clips free. Don’t be surprised if you have to drill the plug out of several clips. It helps to squeeze the plastic on the back as you unscrew.
- B. Use an 8mm socket and wrench to remove the shroud on the bottom of the bumper.



Section 2: Installation Instructions

Step 1: Remove Stock Bumper

- C. Using an 18mm wrench and socket disconnect the bumper from the frame (there are a total of 8 bolts) on the backside of the bumper.
- D. Disconnect the light clips from the frame in preparation of bumper removal.
- E. Remove the bumper.

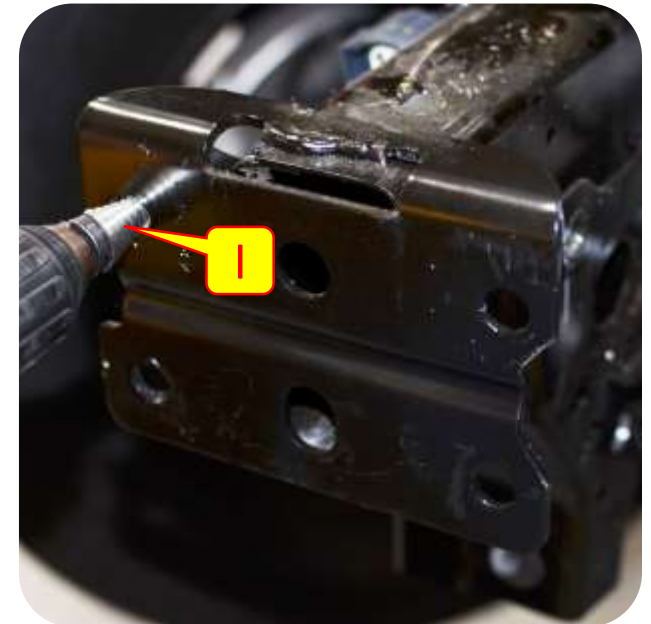
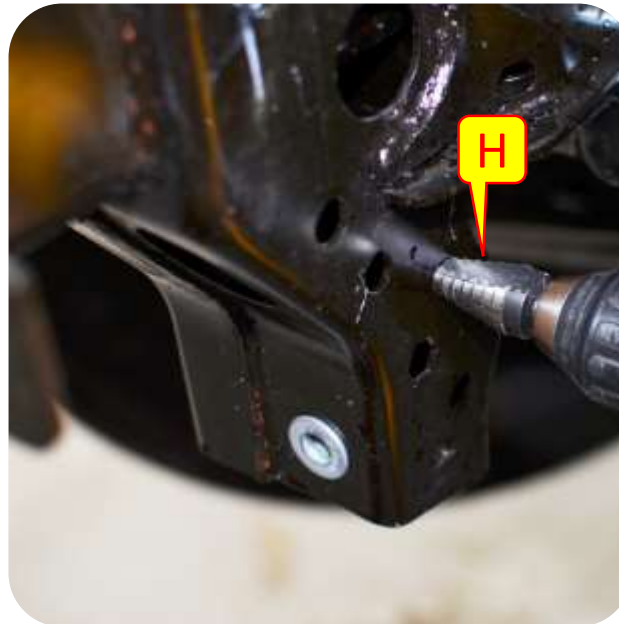
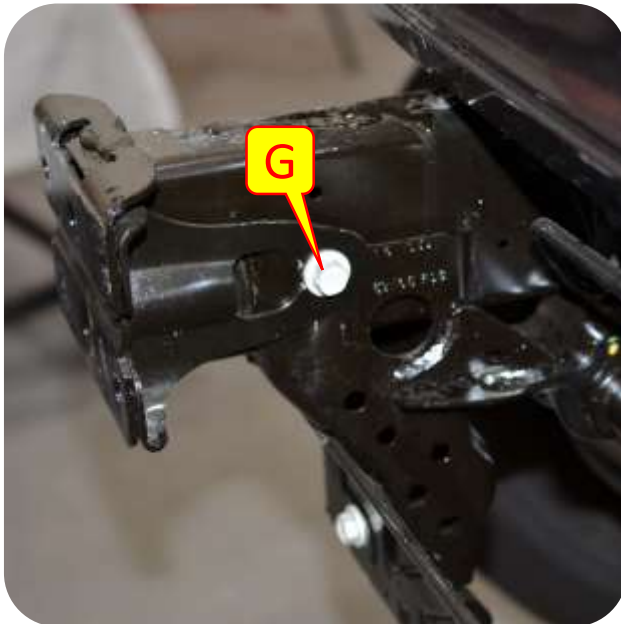
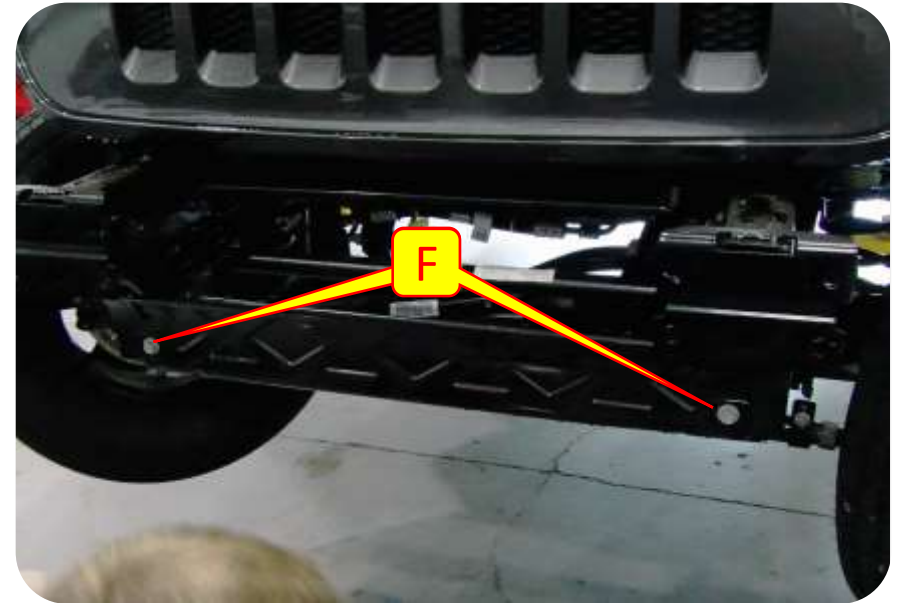


Section 2: Installation Instructions



Step 2: Install MetalCloak Bumper

- F. Remove back plate from the frame. **SAVE ALL HARDWARE.**
- G. Remove the brackets from the frame using a 16mm socket (You will not need to save the bracket) **SAVE ALL HARDWARE.**
- H. Using a step bit drill out the inside frame hole to 9/16".
- I. Using a step bit drill out the upper outside bumper mount hole to 9/16".

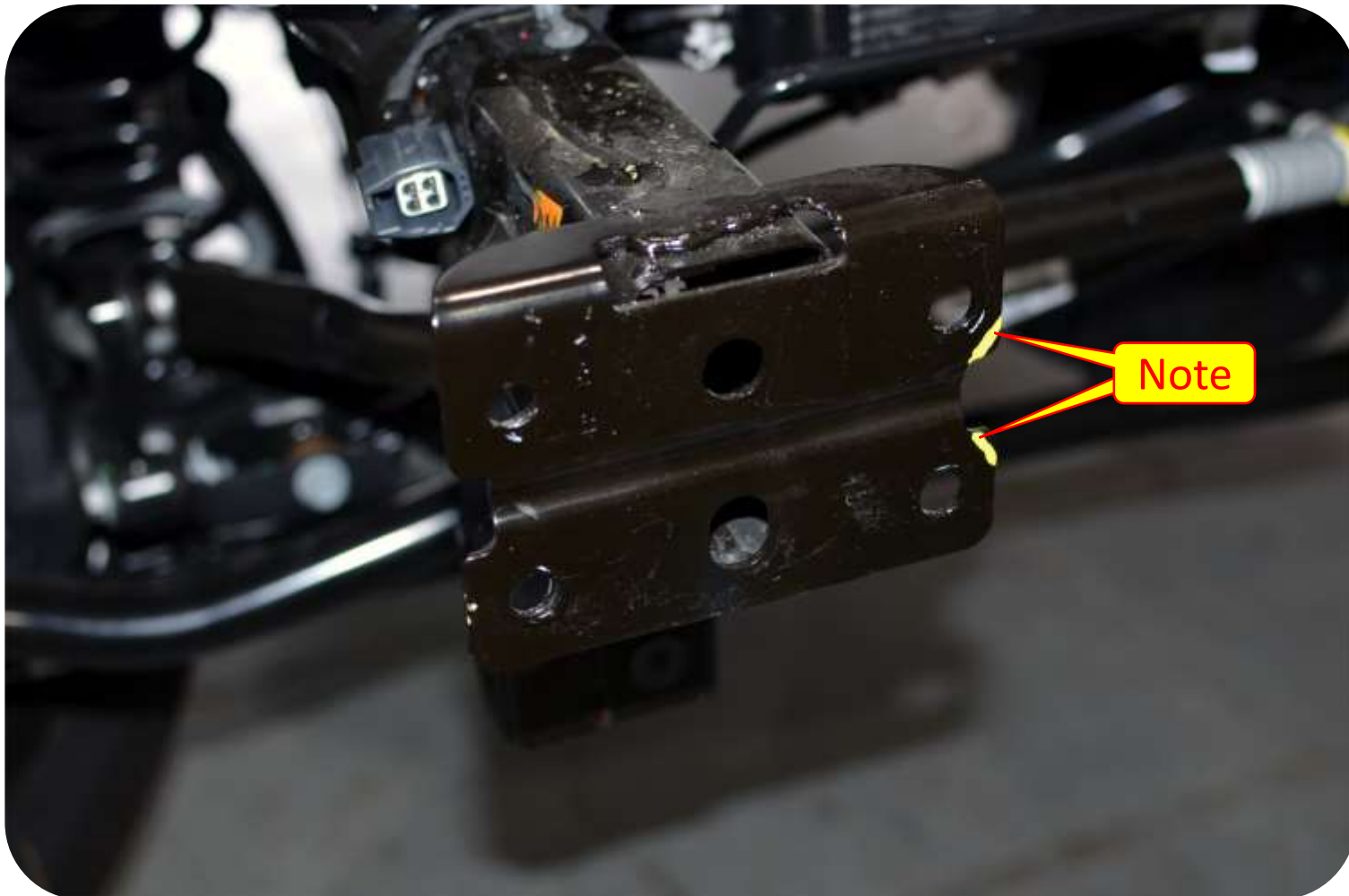


Section 2: Installation Instructions



Step 2: Install MetalCloak Bumper

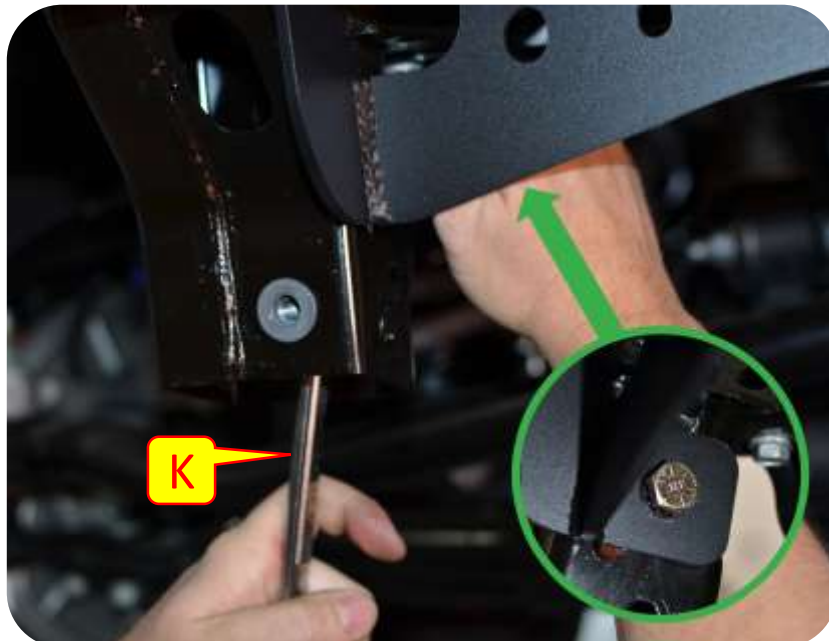
Important Note: *If you will be installing a winch you will need to use a cut off wheel to cut a small amount from the frame on each side. To help prevent rust make sure to paint any exposed metal.*



Section 2: Installation Instructions

Step 2: Install MetalCloak Bumper

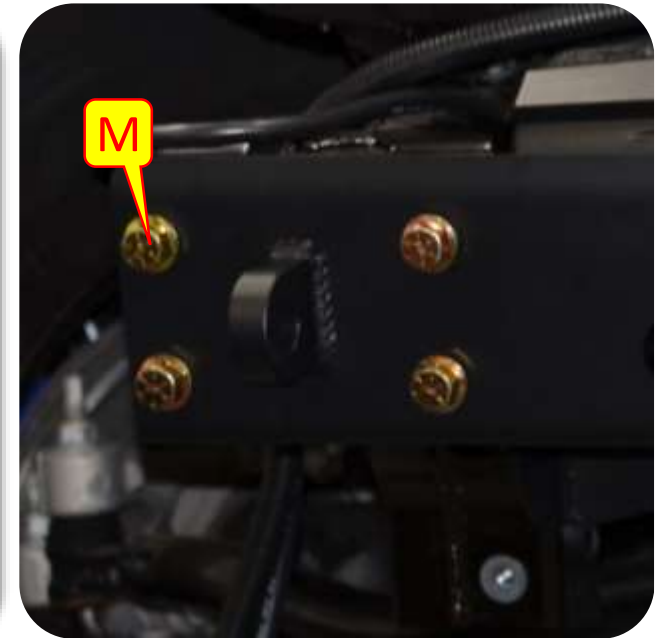
- J. Place the new bumper up to the frame and reinstall the bracket hardware hand tight.
- K. Install the lower bumper mount onto the frame. To install the nut you must go from underneath and inside the frame with a 3/4" wrench.
- L. Install the bumper brackets between the frame and bumper.



Section 2: Installation Instructions

Step 2: Install MetalCloak Bumper

- M. Install hardware hand tight.
- N. Using a 16mm socket fully tighten the bumper tab hardware.
- O. Using a 3/4" socket fully tighten the lower bumper mount to the frame.
- P. Remove the front bumper bolts.

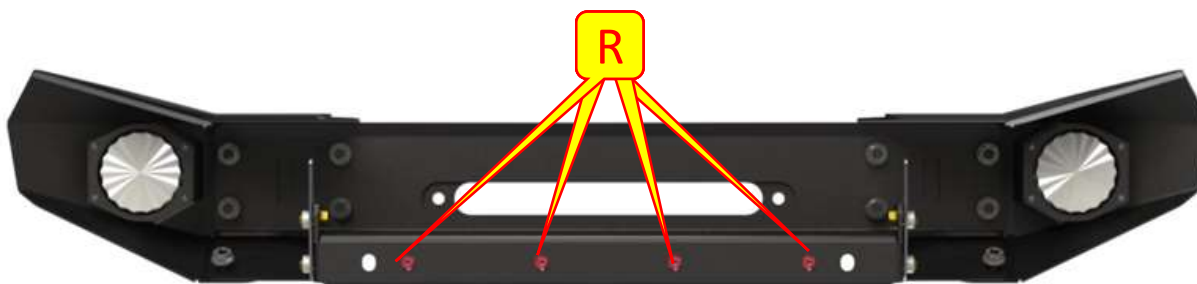


Section 2: Installation Instructions



Step 2: Install MetalCloak Bumper

- Q. Place the bumper cover plate onto the bumper and install all hardware hand tight.
- R. Install the lower cover plate hardware hand tight (*9/16" socket*).
- S. Remove the front bumper bolts.



Section 2: Installation Instructions



Step 2: Install MetalCloak Bumper

- T. Align end caps and install the front bumper plate hardware hand tight (*3/4 Socket*).
- U. Using a $5/16''$ allen wrench install the end cap button head hardware.
- V. Tighten ALL hardware.
- W. Reinstall fog lights into the end caps if applicable.

