



PRODUCT: JT Gladiator Rear Long Arm Upgrade Kit

REV: B | 04-04-2024 | II-7713

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

19mm Socket
3/4" Socket

23mm Socket
15/16" Socket



21mm Box Wrench
15/16" Box Wrench

1/2" Drill Bit
Drill



Vice Grips

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.

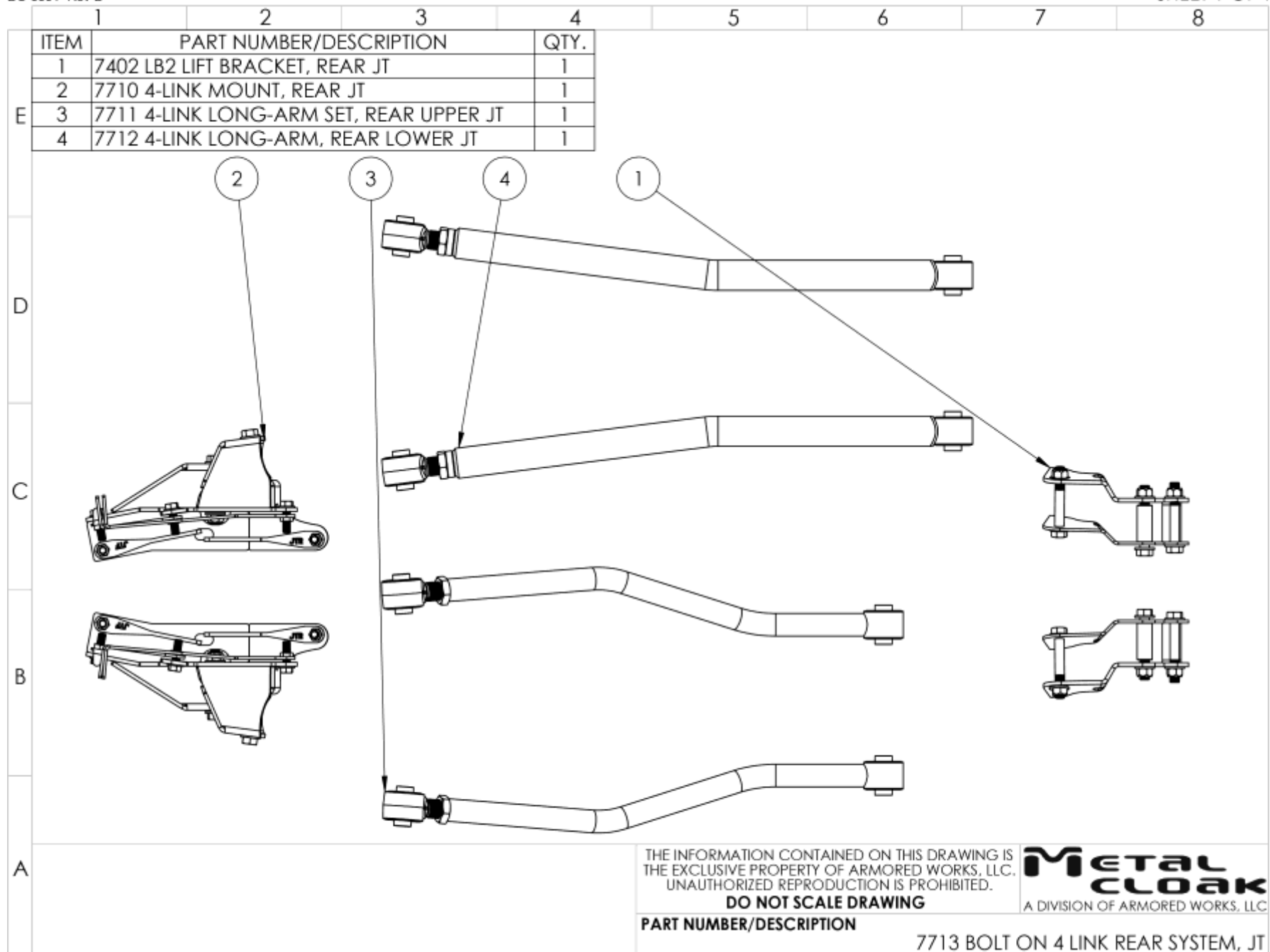
Installation Notes: Terms may be used in the body of the instructions that you may not be familiar with, if you have any questions feel free to contact us at the number below, or email techhelp@metalcloak.com

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: Product Components

DC-0001 Rev B

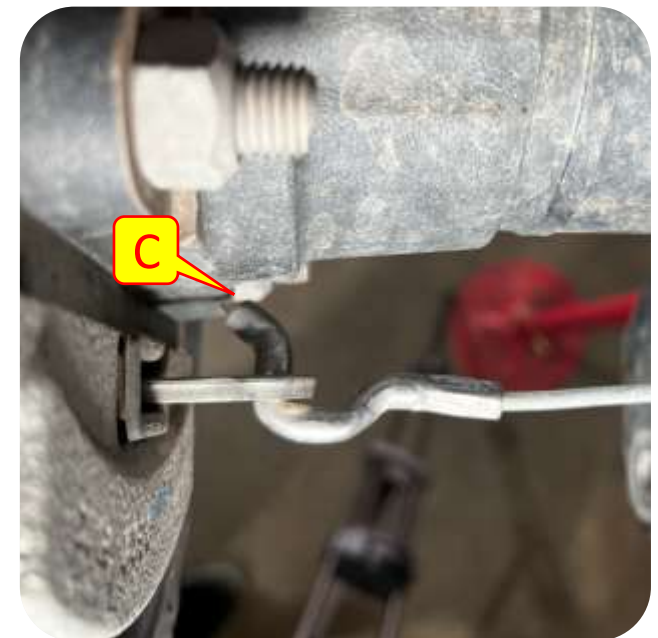
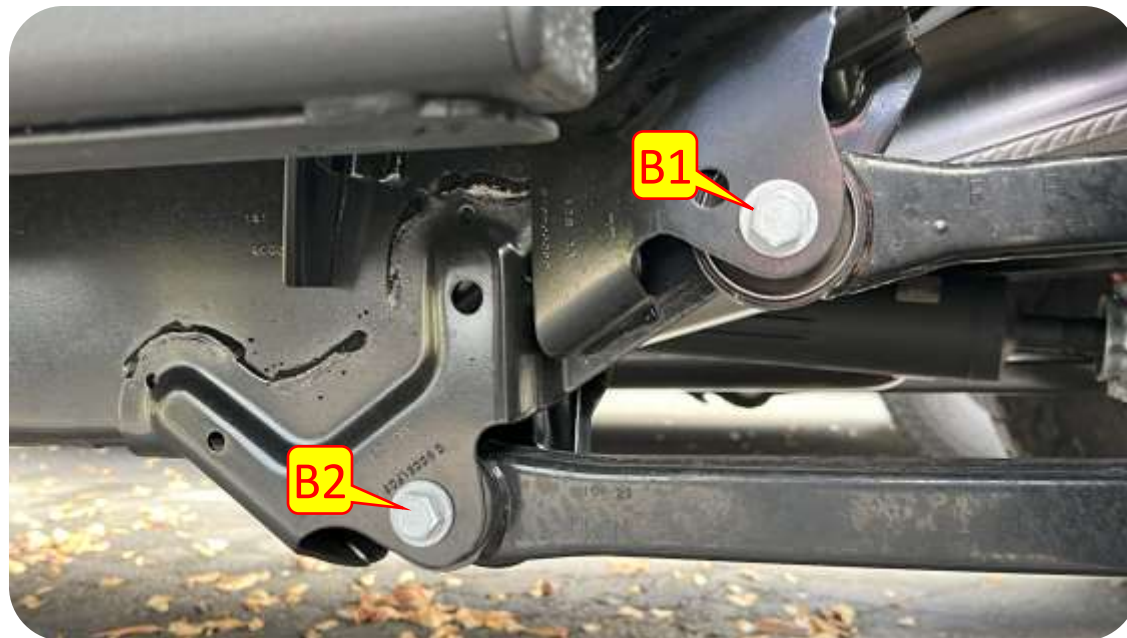
SHEET 1 OF 1



Section 3: Installation Instructions

Step 1: Remove Stock Components

- A. Lift the Jeep and support the rear axle with jack stands.
- B. Remove the factory control arm bolts of the rear upper and lower control arms with a 23mm socket and 21mm wrench.
- C. Disconnect the E-Brake cable at the wheel end.



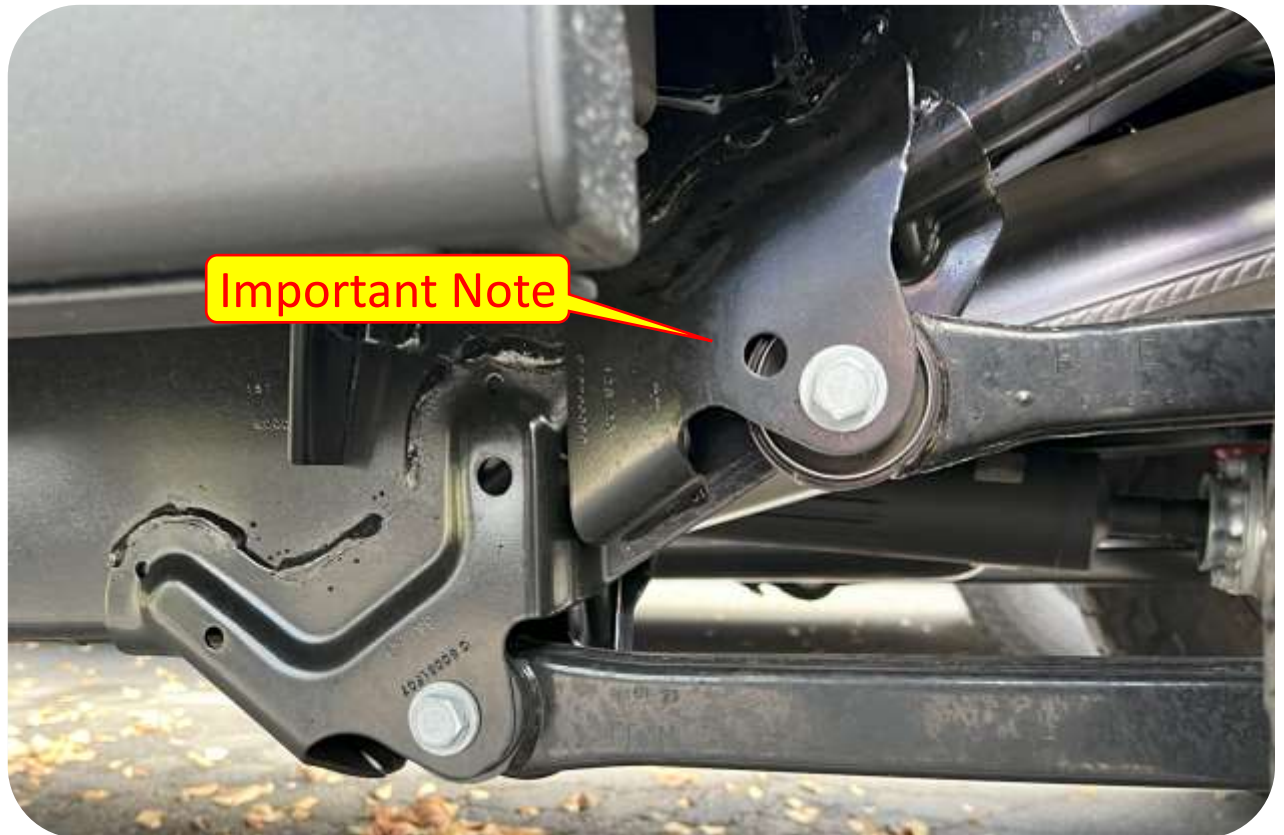
Section 3: Installation Instructions



Step 2: Gas Tank Removal

Important Note: It is required to cut off the factory rear control arm mounts at the frame for this installation. MetalCloak recommends removing the gas tank for optimal safety when removing this bracket; if you are uncomfortable removing the tank you should take your Jeep to an Authorized MetalCloak installer to have the work done by a professional.

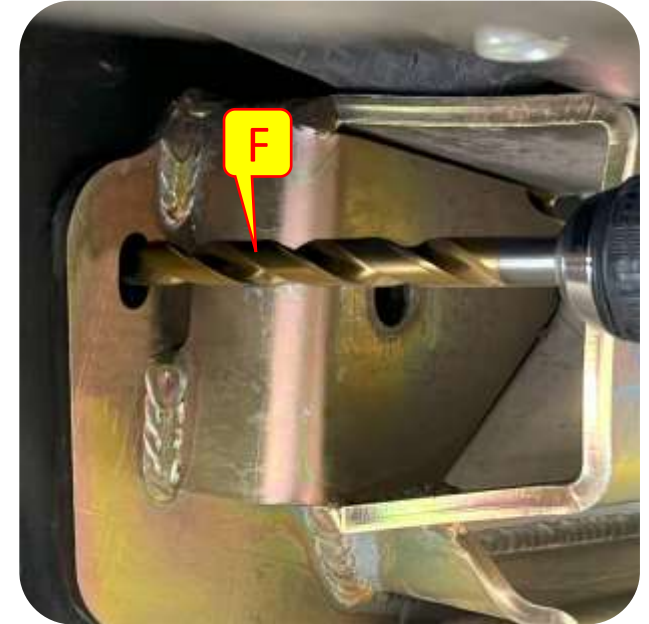
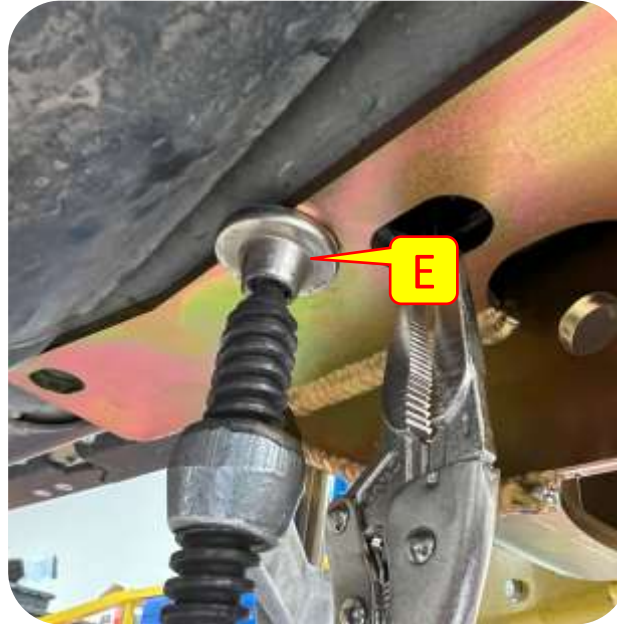
Important Note: After removing the factory control arm mount MetalCloak recommends grinding the area smooth, clean, and then paint any of the exposed metal to help prevent rust.



Section 3: Installation Instructions

Step 3: Rear Frame Bracket Installation

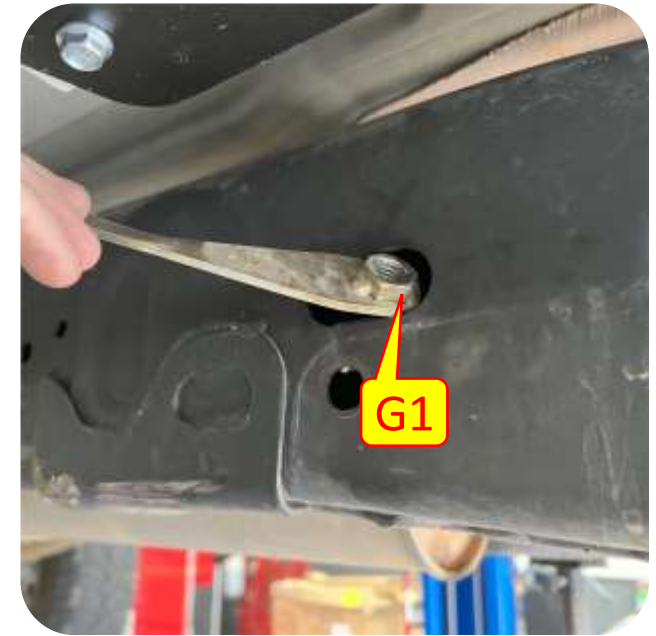
- D. Align the bracket with the frame making sure that the 2 holes on the bottom of the frame are centered and front most 2 holes on the frame are centered with the holes on the bracket.
- E. Secure the Mounting Bracket to the frame using a clamp or an assistant.
- F. Center mark your rear most side hole drill with a 1/2" drill bit.



Section 3: Installation Instructions

Step 3: Rear Frame Bracket Install (Driver Side Gas JT / Passenger Side Diesel JT)

- G. Most JT will only have threaded inserts on the fuel tank side only (*Passenger Side on a Gas JT and Driver side on the Diesel*). When installing the bracket on the side opposite to the fuel tank you must use flag nuts JTF and JTR. Insert JTR through the hole in the side of the frame bolt end 1st (*G1*) and use your finger and a screwdriver to slide the flag nut down the frame to the rear most hole. The tail of this flag nut should fall through the slot in the bottom of the frame. (*G3*) next Install JTF through the same hole but this time inset it tale first. slid the nut to be over the front most hole in the bottom of the frame and again the tail of the flag nut should fall through the slot in the bottom of the frame. Optionally on some vehicle JTF and JTR can be installed though the slot in the bottom if the slot is large enough (*G2*). Use vice grips to hold each flag nut tail, install a 1/2 bolt into each flag nut from below (*H*).



Section 3: Installation Instructions

Step 3: Rear Frame Bracket Install (Gas Tank Side)

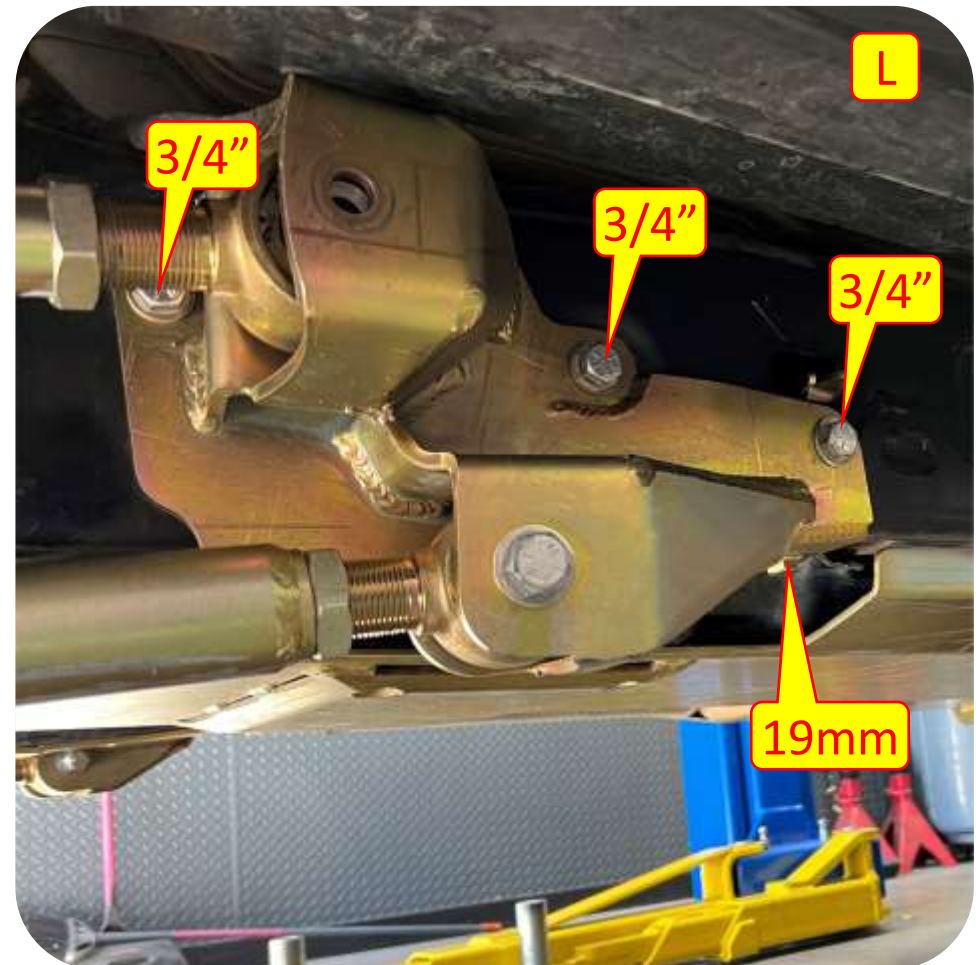
- I. Insert the long flag nut labeled JTS through the access hole (I1) to the drilled-out bolt hole (I2). Install 1/2" bolt into flag nut and hand tighten. After bolt is started into flag nut, you may push the tail into the frame to not obstruct the installation of remaining 2 flag nuts.
- J. Insert the flag nut labeled JT through the access hole (J1) to the center bolt hole on the bracket (J2). Install 1/2" bolt into flag nut hand tight.



Section 3: Installation Instructions

Step 3: Rear Frame Bracket Install (Gas Tank Side)

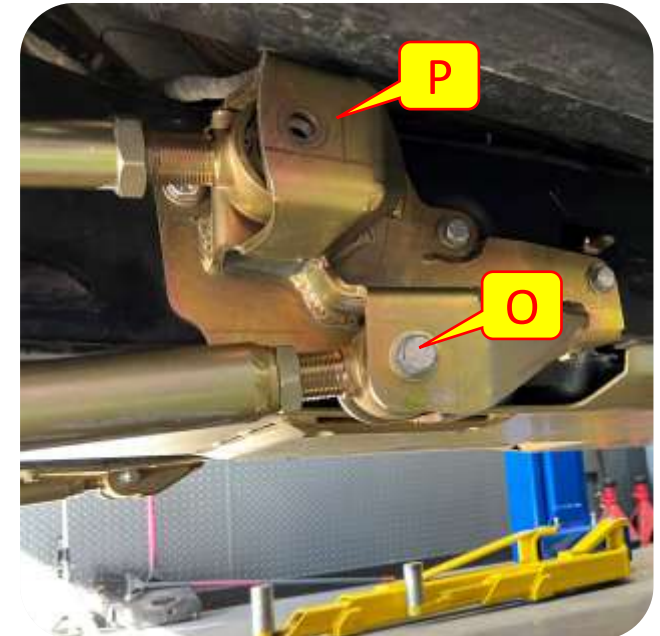
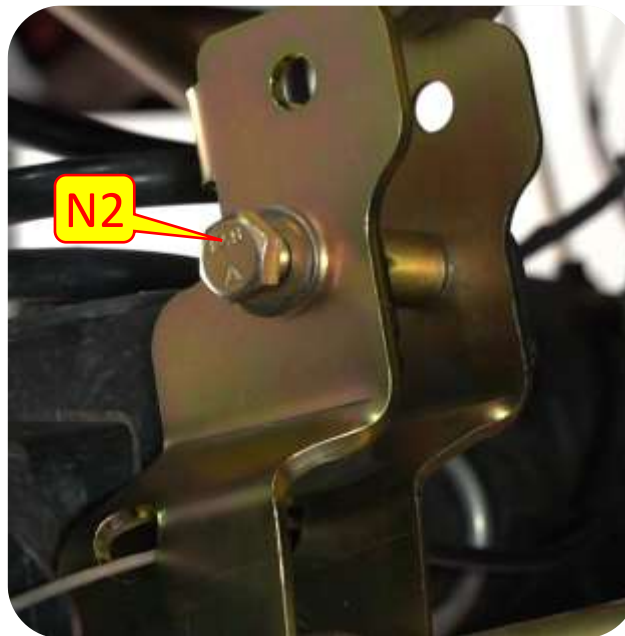
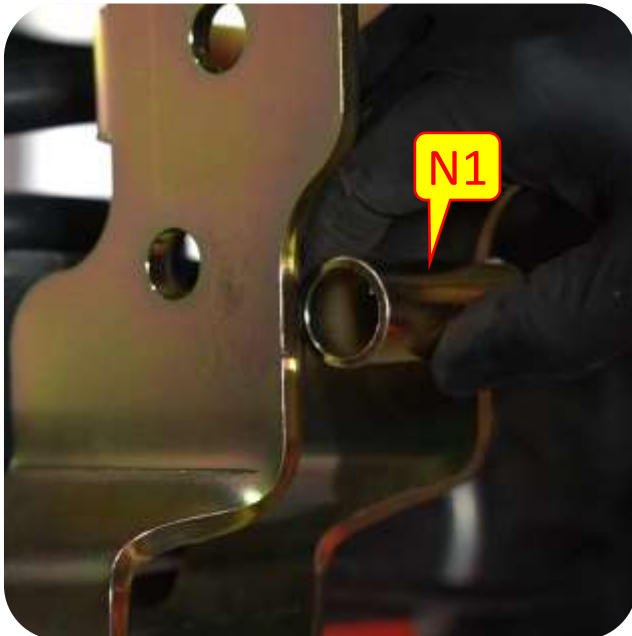
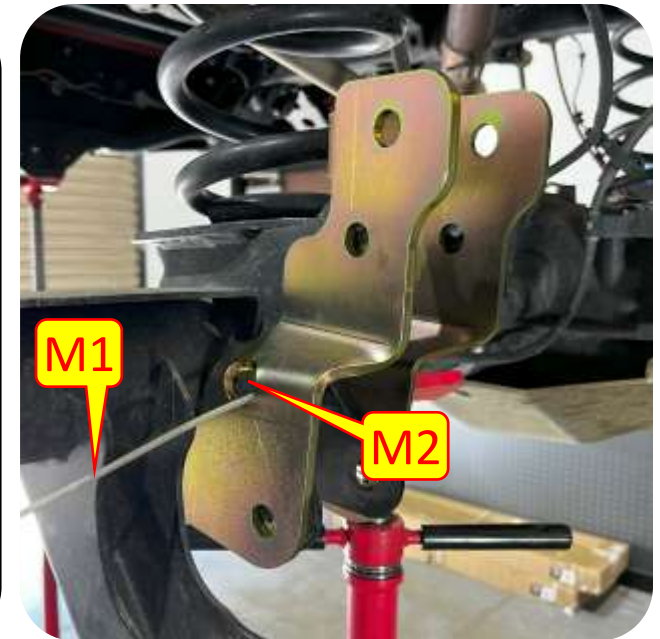
- K. Insert the smallest flag nut through the access hole to the front hole just under the access hole and install 1/2" bolt into flag nut hand tight.
- L. Fully tighten all 1/2" bolts using a 3/4" socket and all M12 bolts (*bottom bolts*) using a 19mm socket.



Section 3: Installation Instructions

Step 4: Axle Control Arm Correction Bracket Installation

- M. Feed the E-Brake cable through the holes on the bracket and set the bracket into place with the bracket offset to the outside of the vehicle.
- N. Insert the crush sleeve into factory upper control arm mount and insert the provided 5/8" bolt and nut hand tight.
- O. Set lower arms to 37 1/2" eye to eye as a starting point and install using the provided 5/8" bolts and nuts making sure the lock nuts are at the frame.
- P. Set upper arms to 33 1/2" eye to eye as a starting point and install using the provided 5/8" bolts and nuts making sure the lock nuts are at the frame.



Section 3: Installation Instructions

Step 4: Axle Control Arm Correction Bracket Installation

- Q. Working from the bottom to the top tighten the correction bracket bolts with a 15/16" socket and wrench.
- R. Reinstall the E-Brake.
- S. Use the upper arm to set your pinion angle and the tighten bots with a 15/16" socket and wrench.
- T. Make sure all hardware is fully tightened.

