

JL4594

JLU REAR LCA FRAME BRACKET



ESTIMATED INSTALLATION TIME

1.5 hours

REQUIRED TOOLS & SUPPLIES

- 21mm Socket
- 24mm wrench
- angle grinder or other cutting equipment
- Welder

REQUIRED SKILLS

- General Mechanics Skills

NOTES:

- Component appearance in instructions may vary from those received

WARNING MESSAGES

This product demands a basic understanding of mechanical procedures and should only be installed by individuals proficient with mechanic's tools. Any tasks involving welding or cutting parts should be performed by trained professionals. Artec Industries disclaims responsibility for mishaps arising from improper installation, or any damage or accidents resulting from cutting or welding tasks. Exercise caution and seek professional help as required.

SAFETY

1. We've furnished a written installation guide, along with relevant details, to aid you in making safety-conscious decisions.
2. While these guidelines will highlight potential risks, it's crucial to exercise your personal judgment when performing any required steps.
3. Before initiating any tasks, it's essential to conduct a job safety analysis to identify specific hazards in your situation and take measures to eliminate or protect against them.
4. Before commencing the installation of this product, make sure you familiarize yourself with and fully understand all safety warnings and guidelines.

DISCLAIMERS

All Artec Industries products should be installed by a competent, certified individual following the intended installation instructions for each product. Incorrect installations not only nullify any warranties but could also lead to product damage or even damage to the vehicle it's installed on. Prior to installation, carefully read all provided instructions or manuals, and watch any associated videos. For any doubts or queries, reach out to Artec Industries before beginning the installation process.

Many products necessitate lifting and supporting the vehicle off the ground. It is the installer's responsibility to ensure this can be done safely and that the right equipment is at hand to carry out the installation. Artec Industries installation instructions presume the installer is competent to lift the vehicle safely and correctly.

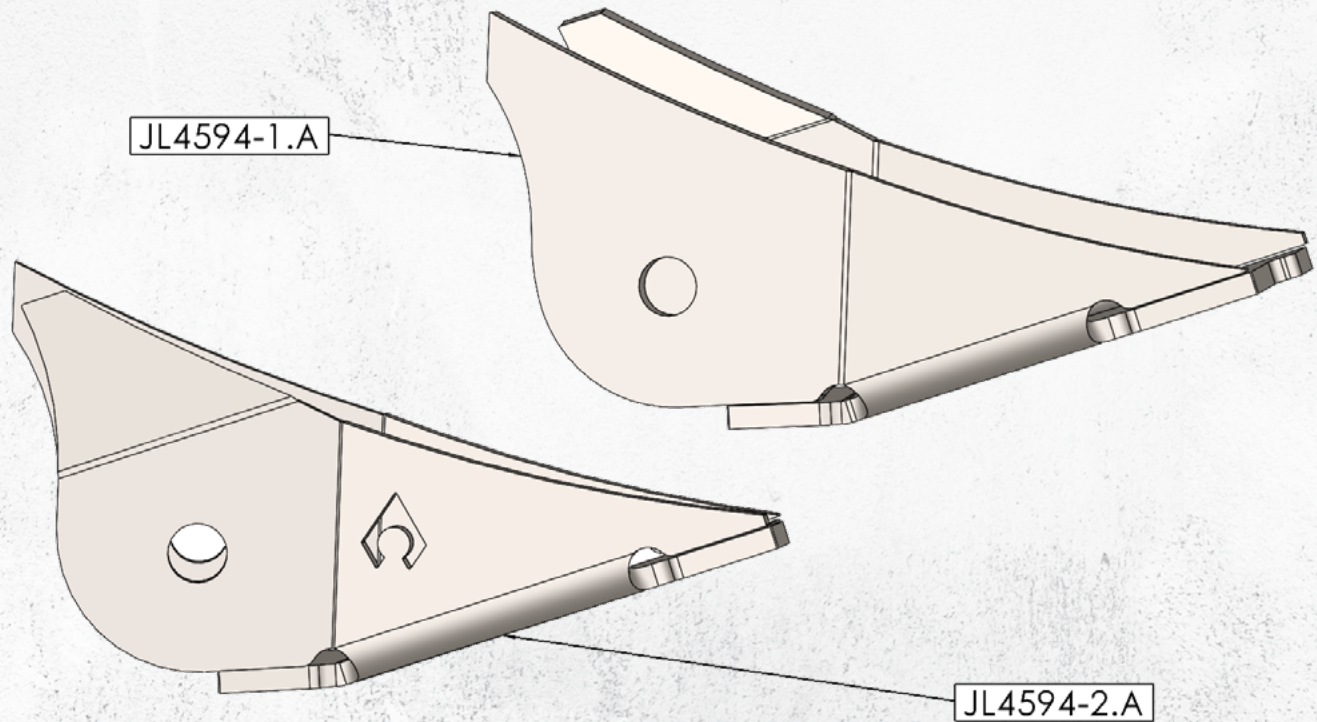
Modified vehicles won't perform identically to their stock counterparts. It's incumbent upon the vehicle owner to understand the alterations such modifications will bring to the vehicle's driving dynamics. These might encompass (but aren't limited to): changes in handling, braking, rollover angle, and potential incompatibilities with the factory-installed anti-lock braking systems, stability control systems, or traction control systems.

SPECIAL NOTES

- Unless otherwise noted, all hardware should be **LOOSELY** tightened by hand until the very end of installation when all components are attached.

JL4594 PARTS BILL OF MATERIALS

Please confirm you have all the listed parts below **BEFORE** beginning your installation. If any parts are damaged or missing, **KEEP ALL ORIGINAL BOXES and PACKAGING** and contact us.



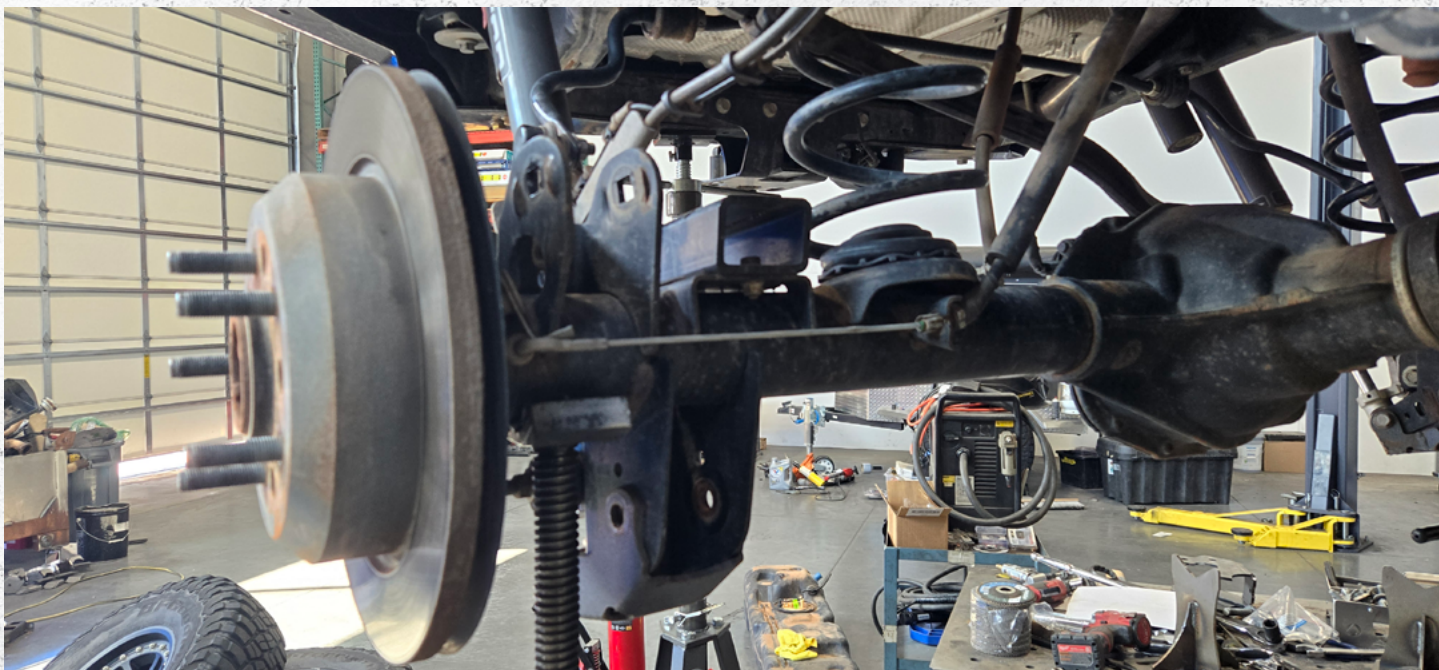
NOTE: The part numbers indicated above end in a “.” and “letter” which indicate the revision number for the part. The etched part number on your physical parts do not need to match the above drawing revision exactly.

DISASSEMBLY INSTRUCTIONAL GUIDE



Step 1:

Using a 21mm socket and 24mm wrench, remove the lower control arm bolt on the frame side of the vehicle.



Step 2:

Using a 21mm socket and 24mm wrench, remove the final bolt securing the lower control arm into the vehicle. **Do not remove the upper control arm, it has been removed in this photo for maintenance.**

DISASSEMBLY INSTRUCTIONAL GUIDE



Step 3:

Cut along the weld of the lower control arm bracket using an angle grinder on both sides of the bracket for each side of the vehicle



Step 3:
continued

DISASSEMBLY INSTRUCTIONAL GUIDE



Step 4:

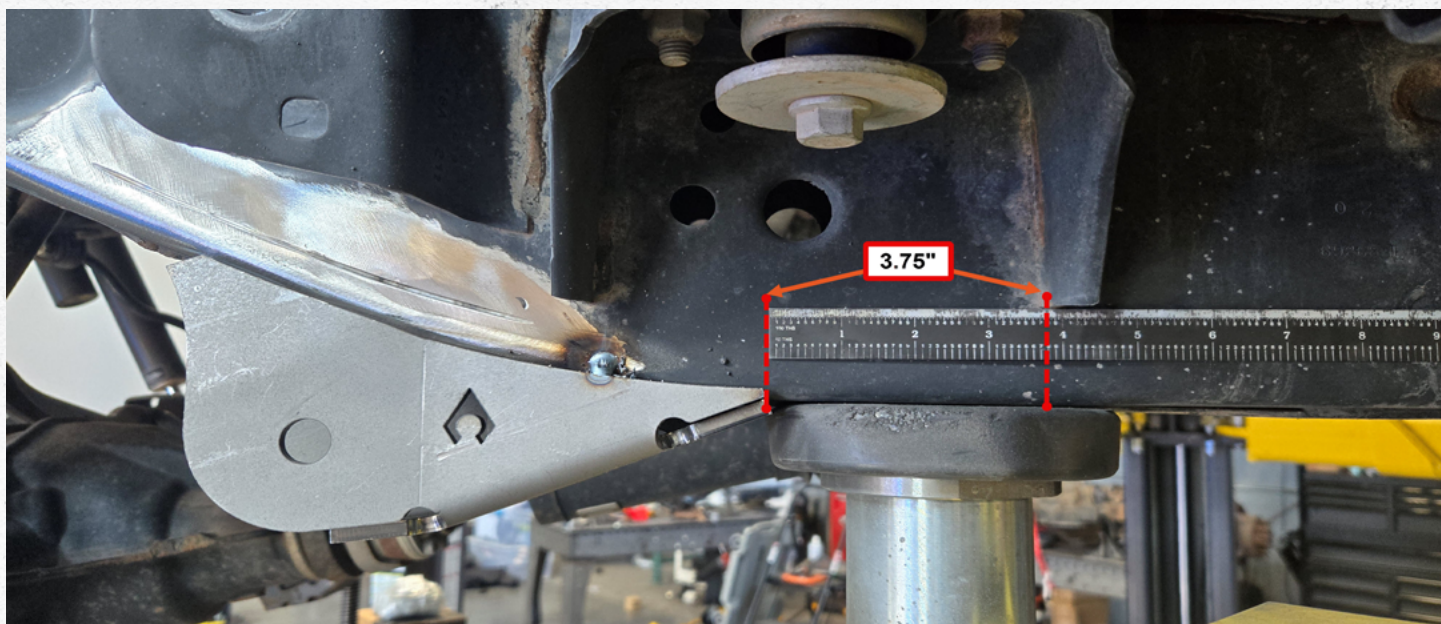
Grind the remaining bracket until the frame is flush.



Step 4:

Grind the remaining bracket until the frame is flush.

ASSEMBLY INSTRUCTIONAL GUIDE



Step 5:

Install the new lower control arm bracket measuring 3.75" from the inside of the body mount to the bracket. The sides of the bracket should sit parallel with the frame.



Step 5: Continued

Note that on the bottom of the bracket there is a notch to help align the bracket onto the frame.

ASSEMBLY INSTRUCTIONAL GUIDE



Step 6:

After ensuring the bracket sits in the contour of the frame and is measured 3.75" from the inside of the body mount and ensuring the fitment. Use marker to indicate where pain needs to be ground off for a structurally safe weld.

Step 7:

After cleaning up the area you are now able to weld the bracket into place.

When welding to the frame it is important to not put too much heat to alter the frames integrity. Heat the frame up with a torch and weld 2-3 inch sections at a time moving to different sides of the bracket. Doing so will prevent the bracket from warping or damaging the frame.

Step 8:

Paint the bracket to prevent corrosion and reinstall your control arms.

Verify ALL previously installed hardware is tight / torqued to specifications.

CONCLUSION

Congratulations on finishing the installation for your Artec Industries replacement LCA brackets. Before driving your vehicle, inspect all bolts to ensure they are properly tightened.

If you used a vehicle lift, take proper care to ensure you lower your vehicle safely. If you used a vehicle lift, take proper care to ensure you lower your vehicle safely. Now take your vehicle out and enjoy the outdoors in confidence.

MAINTENANCE / CARE

- After 500 miles, inspect all components and hardware to ensure they are properly fastened.
- If driving during the winter where salt is used on the roads, thoroughly and frequently wash underside of vehicle to prevent salt based corrosion.
- If removal of skid panels is required for vehicle maintenance, and bolts will not loosen, tap the bolt heads with a small sledge hammer using moderate force. This will allow the threads to loosen.
- Spray wax or similar products can be used to create a protective barrier on raw metals to protect against long term corrosion.