



780 Professional Drive N Shreveport, LA 71105 Phone (318)524-2270

Can-Am Maverick 1000 X3 Rear Middle & Lower Radius Bars

Read before Installation

This product is designed for use on ATVs and/or RUVs to increase ground clearance and fender clearance. Purchasers should be aware that use of this product may increase the frequency of required maintenance, part wear, and will raise the center of gravity on your ATV and/or RUV, increasing risk of roll-over, injury and death on all types of terrain. It is your responsibility to always inform other operators and passengers of this vehicle about the added risks.

High Lifter Products, products are designed to best fit users ATV/RUV under stock conditions. Adding, modifying, or fabricating any OEM or aftermarket parts will void warranty. High Lifter Products, products could interfere with other aftermarket accessories. If the user has aftermarket products on machine, contact High Lifter Products to verify that they will work together. Adding aftermarket suspension components and/or more aggressive tires can cause breakage of other OEM driveline components such as differentials, axles or drive shafts.

We recommend that wider tires and/or wheel spacers be used to achieve a wider stance and to improve stability of the ATV and/or RUV. Riders should be advised that the handling characteristics of a taller ATV and/or RUV are different and require extra care when riding, particularly on side hills or off-camber situations. If you further raise the center of gravity by adding taller tires, heavy loads to racks or seats, or by any other means, the ATV and/or RUV must be operated with even more care, at slower speeds and on relatively flat ground. All turns should be done at a slow speed, even on level ground.

Operation of an ATV and/or RUV with or without modified suspension components, while or shortly after consuming alcohol or drugs, subjects the rider to the risk of serious bodily harm or possible death. This risk is compounded if the rider does not wear an approved helmet and other safety gear. High Lifter urges that all approved safety gear be worn when riding an ATV and/or RUV as a driver or passenger.

By purchasing and installing High Lifter Products, products, user agrees that should damages occur, High Lifter Products will not be held responsible for loss of time, use, labor fees, replacement parts, or freight charges. High Lifter Products will not be held responsible for any direct, indirect, incidental, special, or consequential damages that result from any product purchased from High Lifter Products. The total liability of seller to user for all damages, losses, and causes of action, shall not exceed the total purchase price paid for the product that gives rise to the claim.

If this product is not what you expected, or is not consistent with your intended use, you should return the product immediately to the seller, before installation, for a refund of the purchase price; less any fees. After installation, product is warranted for 90 days for defects in workmanship and materials. High Lifter Products will warranty only parts provided by High Lifter Products. Any damage or problems with OEM housings, bearings, seals, or other manufacturer's products will not be covered by High Lifter Products. Parts and products will not be warranted if item was not installed properly, misused, or modified.

Dealers and other Installers

You are responsible for informing your customer and end user of the information contained above and the increased potential hazards of operating an ATV and/or RUV equipped with modified suspension components. If you install any suspension modifying components, it is your responsibility to also install the warning label prominently in view of the driver and in prominent view of the driver and passenger on RUVs and multi-passenger ATVs. They should also be instructed to notify anyone operating the vehicle, as well as any passengers, that said vehicle is modified.

As discussed above, it is critically important that they be instructed in the need for slower speed operation, regardless of terrain, after this lift kit is installed.

Parts Diagram

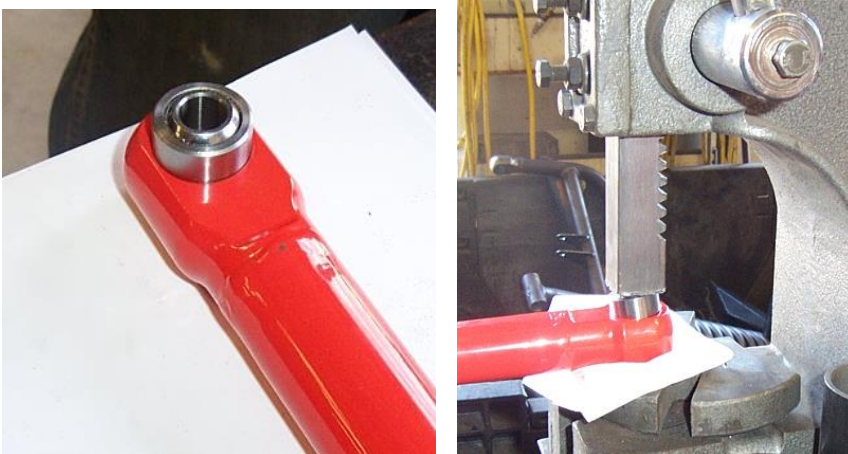


Installation Instructions

1. Place jack under the center of rear and lift until the weight is off the suspension. Be careful to secure the properly so it is stable on the jack.
2. Remove the rear wheels.
3. Preassemble the new radius bars.
4. Install a retaining clip into one side of the opening for the spherical bearing. This will keep you from pressing the spherical bearing in too far.



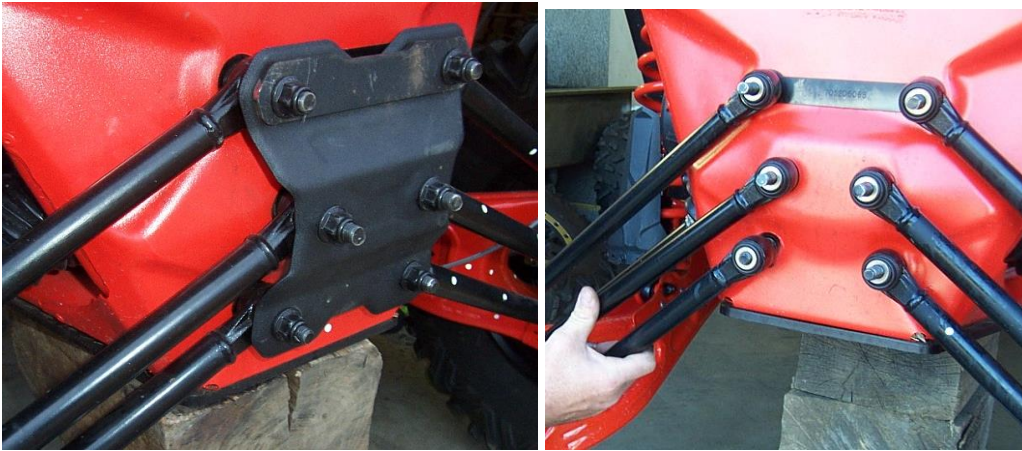
5. You will need to use a press to install the spherical bearings into the new radius bars. Install the spherical bearing into the opposite side from where you installed the retaining clip.



6. Once you have installed the bearing, insert the remaining retaining clips.



7. Remove the rear cover that secures the radius bars to the frame.



8. Disconnect the lower and middle radius bars from the frame and hub assembly.



NOTE: You will reuse all factory hardware to connect the new radius bars to the UTV.

9. Connect the lower radius bars to the frame first.
10. Included in the kit are bushings and alignment cones. Insert an alignment cone into a bushing. This setup will go on either side of the spherical bearings.





11. Loosely connect it to the frame using the factory nut. This is just to hold it in place until you attach the middle radius bar.



12. Next connect the lower radius bar to the hub.

13. Place a bushing and alignment cone on either side of the spherical bearing then secure it them to the hub using factory bolts and nuts.



14. Assemble the middle radius bar if you have not done so already.

15. Connect the middle radius bar to the frame. Place bushings and cones on either side of the spherical bearing like you did on the lower radius bar. Loosely secure it using the factory nut.



16. The new High Lifter radius bars are larger than the stock bars. Where the middle radius bars connect to the hub assembly will need to be slightly clearance so that the bar does not rub on the hub assembly. Remove about an $1/8''$ of material from the illustrated area. See image below.



17. Once you have clearance the area, attach the radius bar to the hub using the factory hardware.
18. Place bushings and alignment cones on either side of the spherical bearings and secure using the factory bolts.



19. Once all four of the radius bar are in place, remove the factory nuts that were used to loosely secure the radius bars to the frame.
20. Connect the factory plate or High Lifter tow plate, if purchased, to the frame using the factory nuts.
NOTE: Our image uses the High Lifter tow plate with all radius bars replaced.



21. Place the wheels back on the UTV, torque lugs to factory specifications, and lower jack.
22. Make sure to check your clearances on the radius bars where you removed material after the first ride to ensure that you have removed enough material to keep the radius bars from rubbing in the hub assembly.



High Lifter Lifetime Warranty

From the beginning, High Lifter has engineered and manufactured some of the toughest, most durable products on the market. That's why this product comes with a Lifetime Warranty. It's our promise that High Lifter will never let you down.

- The **Lifetime Warranty** covers products sold to the original purchaser only and is not transferable. The term of the warranty is for the lifetime of the vehicle in question.
- Normal wear and tear items and finishes, such as, but not limited to: Heim joints, tie rod ends, ball joints, bearings, seals, bushings, bushing sleeves, zinc plating , powder coating, or chipping and discoloration of any finish is not covered.
- High Lifter will ship the replacement product after the returned product has been inspected by High Lifter staff.
- The warranty shall not include claims for damages, installation time or labor charges, economic losses, inconvenience, transportation, towing, down time, direct or indirect or consequential damages or delay resulting from any defect.
- The warranty does not apply to products that have been improperly applied or improperly installed.

Making a warranty claim

1. All claims must be accompanied by the part and the original sales receipt or other acceptable proof of purchase from the original owner.
2. All warranties must be accompanied with a Return Merchandise Authorization (RMA) number. (Contact High Lifter at 318-524-2270 or 800-699-0947 for an RMA number)
3. When shipping the damaged product:
 - a. Write the RMA number on the outside of the box.
 - b. Also include the RMA number, proof of purchase and any notes inside the box.
 - c. Please keep your tracking number and shipment information.
4. The customer is responsible for shipping the product to High Lifter--return shipping within the lower 48 states will be paid by High Lifter products. With all warranty claims, only standard shipping services apply.
5. High Lifter will process your order within 24 business hours of receiving the returned item.
6. **Ship to:** High Lifter Products, 780 Professional Drive North, Shreveport, Louisiana 71105