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## MCFA-CMX3-1

### Max Clearance Can-Am Maverick X3 XRS Front Arched Control Arm Kit

#### *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.

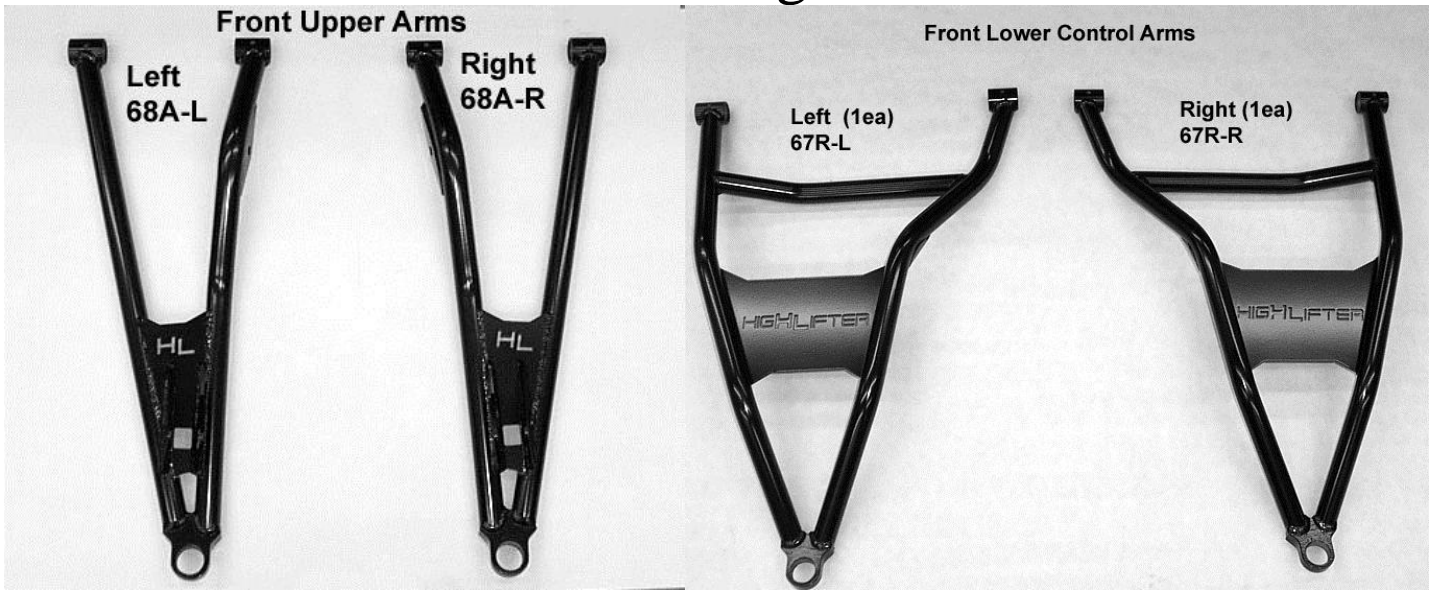
If this product is not what you expected, or is not consistent with your intended use, you should return the product immediately to the seller, before installation, for a refund of the purchase price; less any fees. After installation, product has a limited lifetime warranty for defects in workmanship and materials for original owner. 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 kit is installed.

# Parts Diagram



## Installation Instructions:

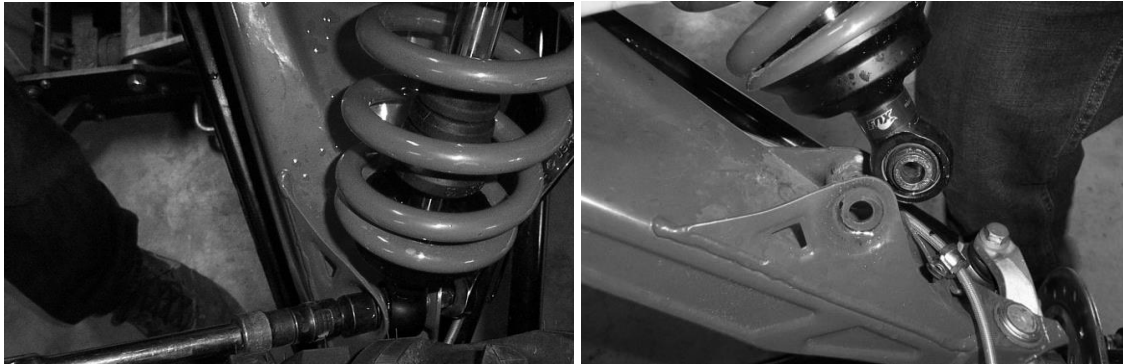
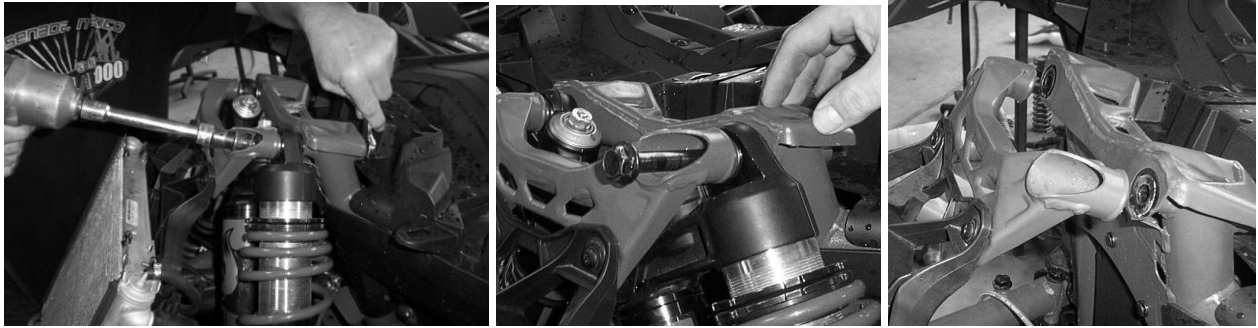
1. Place jack under center of RUV front end and lift until front wheels clear the ground. Be careful to support the RUV properly so that it is securely supported but so that Control arms and shocks can droop to full extension.
2. Remove front wheels.
3. The way that the X3 is manufactured you will need to remove the plastic, radiator, and radiator mount.  
NOTE: You do not need to drain the radiator or disconnect the hoses, just disconnect it from the frame and move it to the side.



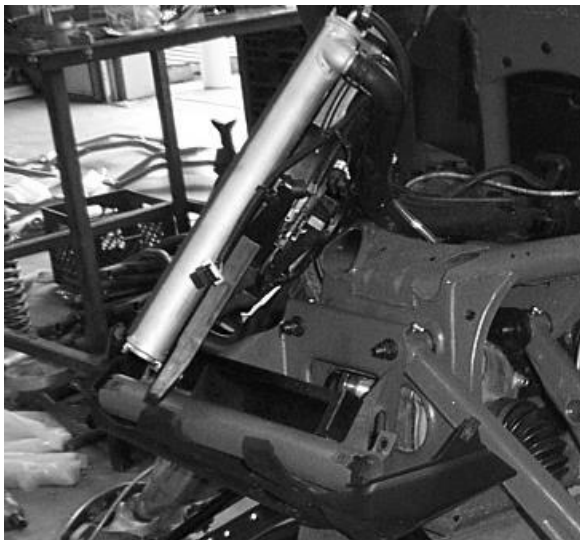
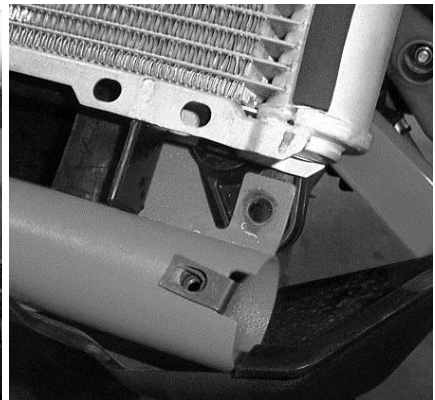
4. Remove the hood and front plastic.



5. Disconnect and remove the shocks from both sides of the RUV.



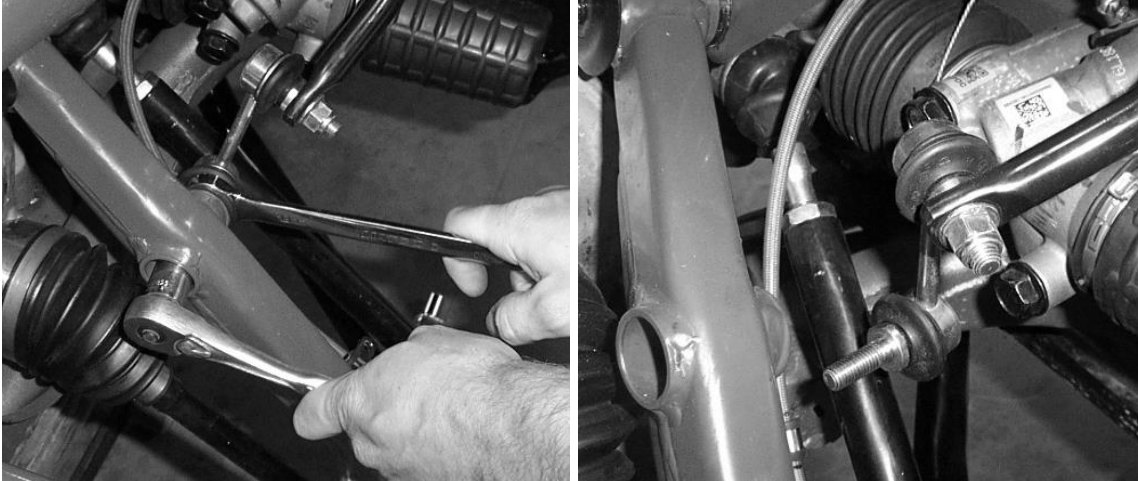
6. The lower portion of the radiator is connect to the frame with two bolts. Disconnect these two bolts and slide the radiator to the opposite side you are working on.



7. Disconnect and remove the front deflector plate and support bracket. You will need to remove the 4 nuts that secure the upper and lower control arms to the frame. The deflector plate and support bracket are held in place by the nuts that secure the upper and lower control arms.



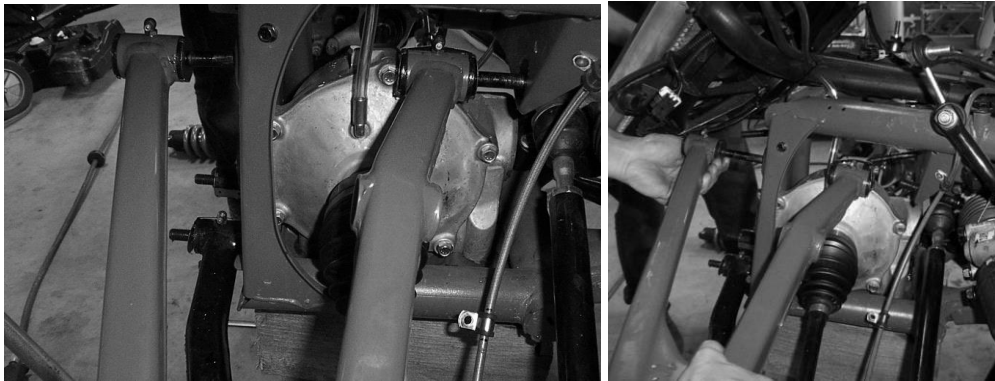
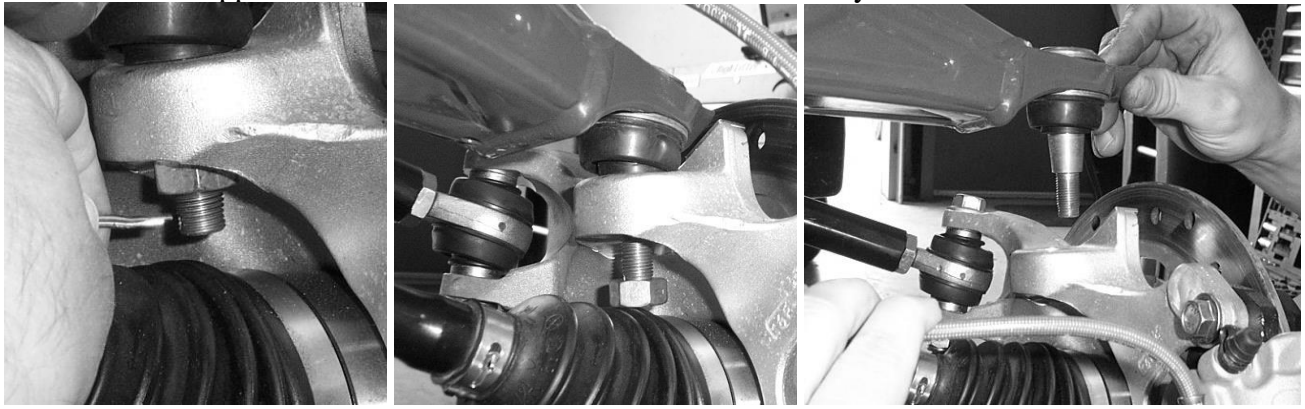
8. Disconnect the front sway bar from the upper control arms on both sides.



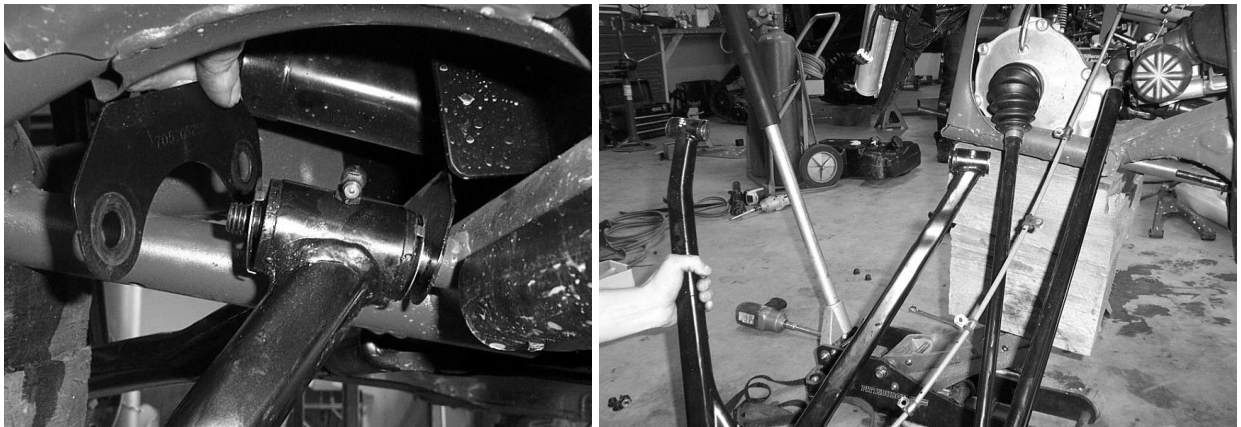
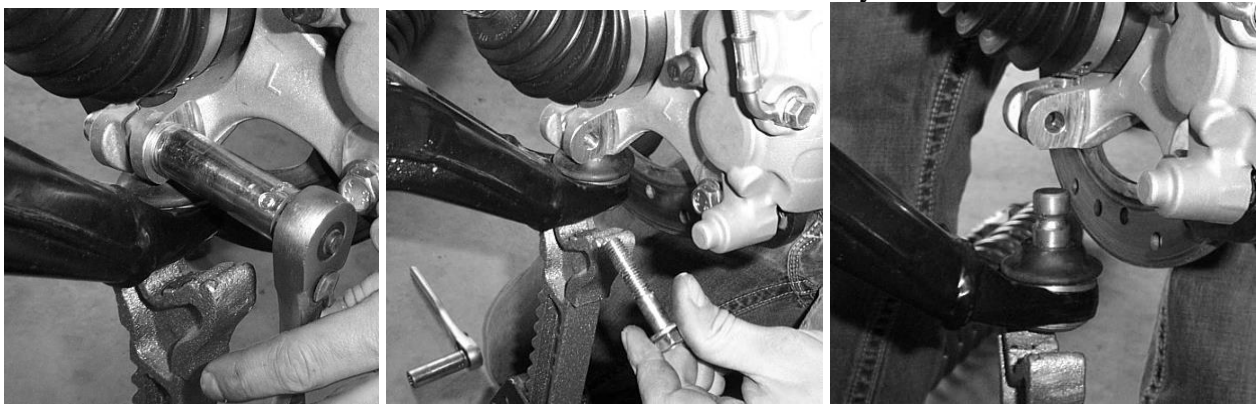
9. Next you will need to use a drill and bit to drill out the rivets that secure the brake lines to the upper control arm. **You will reuse two of the P-clamps so save them!**



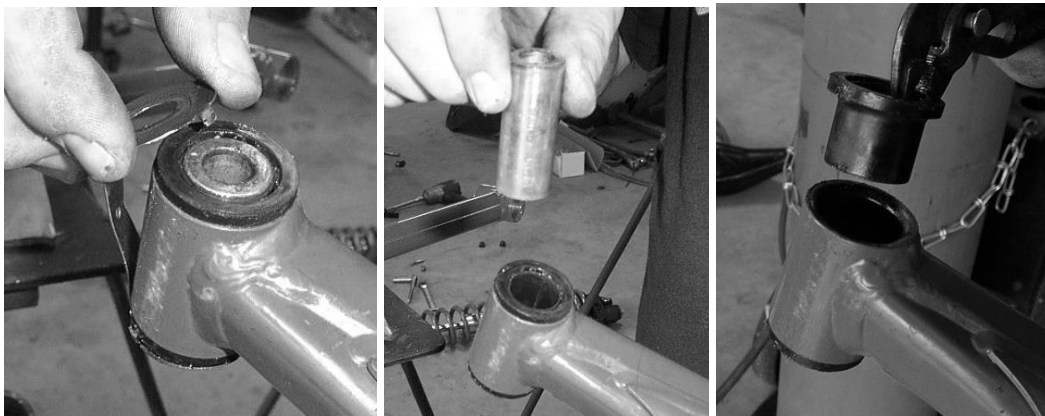
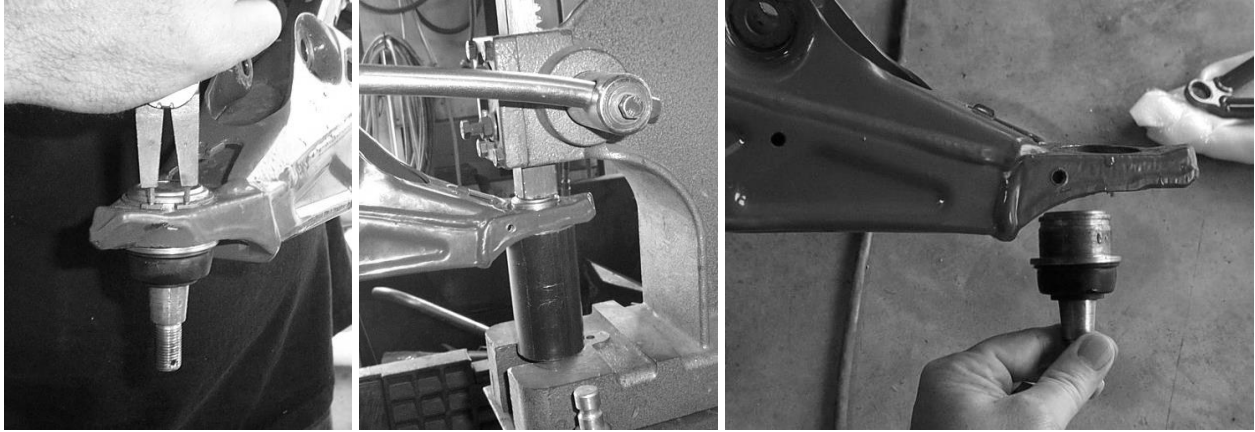
10. Disconnect the upper control arm from the frame and hub assembly.



11. Now disconnect the lower control from the frame and hub assembly.

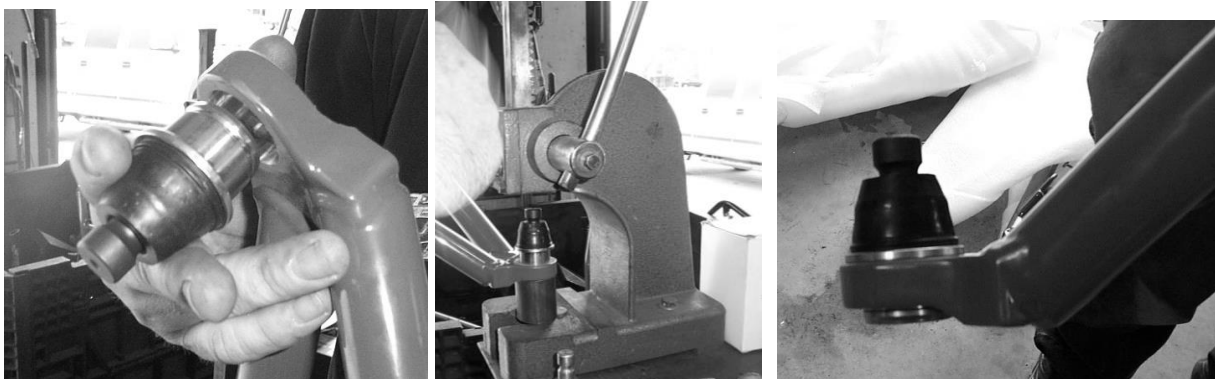


12. When you have removed the control arms you will need to reuse the factory bushings, sleeves, and ball joints. Remove these from the factory arms. You need to use a press to remove the factory ball joints from the arms.



**NOTE:** A press or a vise is suggested for removing and replacing the ball joints. If you press in the ball joint crooked, **DO NOT TRY TO FORCE IT IN!** If you try to force it straight you can “egg” the opening. Press the ball joint out and reinsert it into the opening, pressing it in with a vise. Verify that the clip snaps into place after installing the ball joints into the new Control Arm. You should always double check the ball joint snap ring for proper fit. Even if you use snap ring pliers, it may not seat. You can use a flathead screwdriver and a hammer to tap the snap ring to ensure that it is seated into the groove.

13. Reassemble the factory parts into the new control arms. Use a press to connect the ball joints into the new arms. **DO NOT USE A HAMMER!!**





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14. Connect the grease fittings to the new control arms. Grease fittings provided.



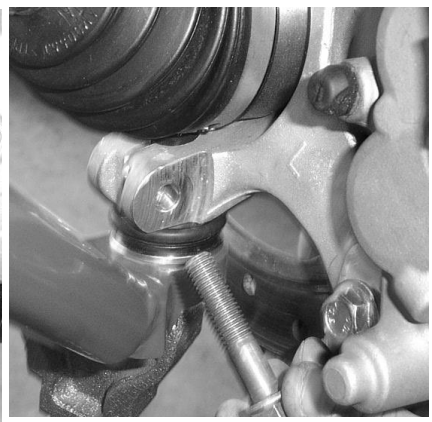
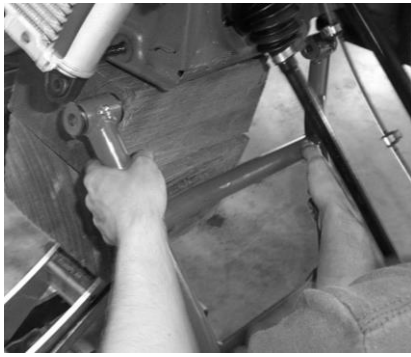
15. Insert the bushings and sleeves into the new control arms.



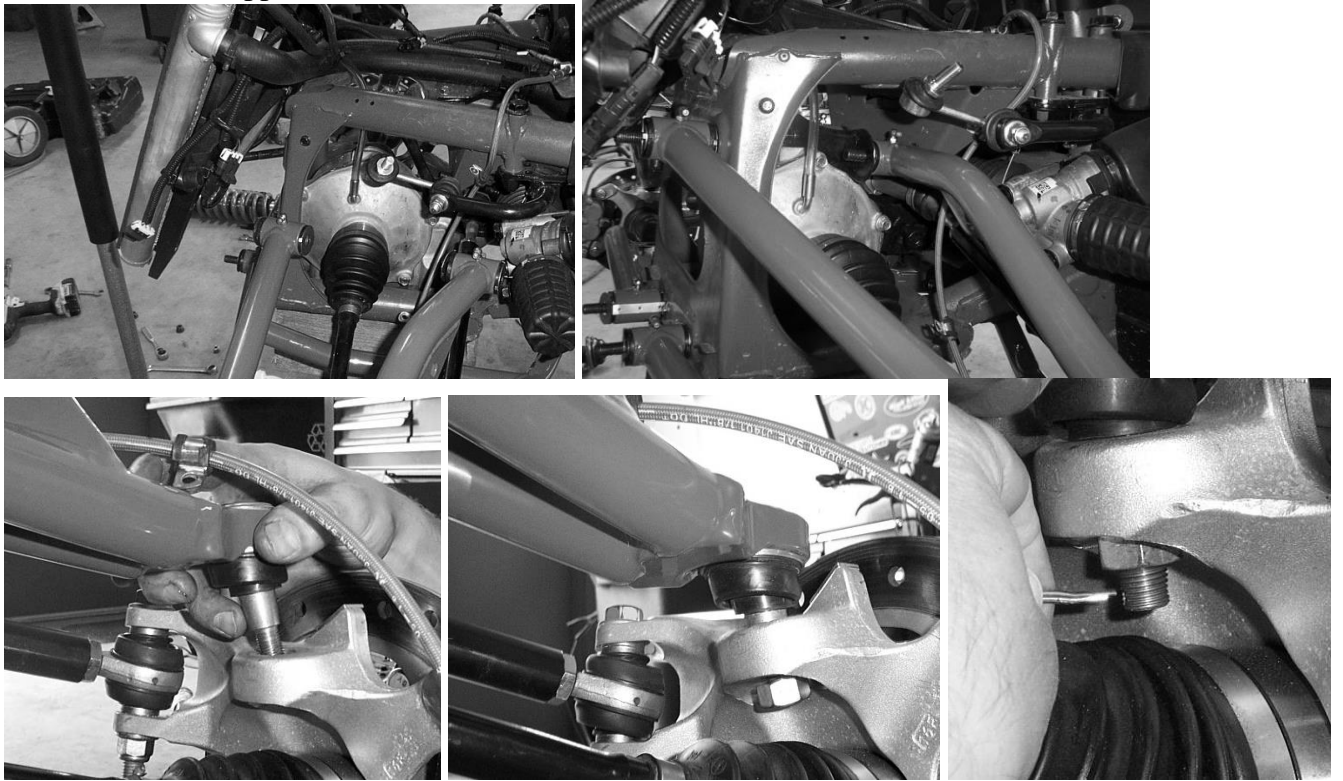
16. Now connect the new control arms to the RUV.  
17. The next steps are attaching the new upper and lower control arms to the frame. You will need to attach all four arms to the frame before you can reattach the front deflector plate and support bracket. Insert the bolt to hold the arms in place but do not secure until all arms are in place.



18. Start with the lower control arms. Connect to the frame and then to the hub assembly using the factory hardware.



19. Next connect the upper control arm to the frame then the hub assembly using the factory hardware.

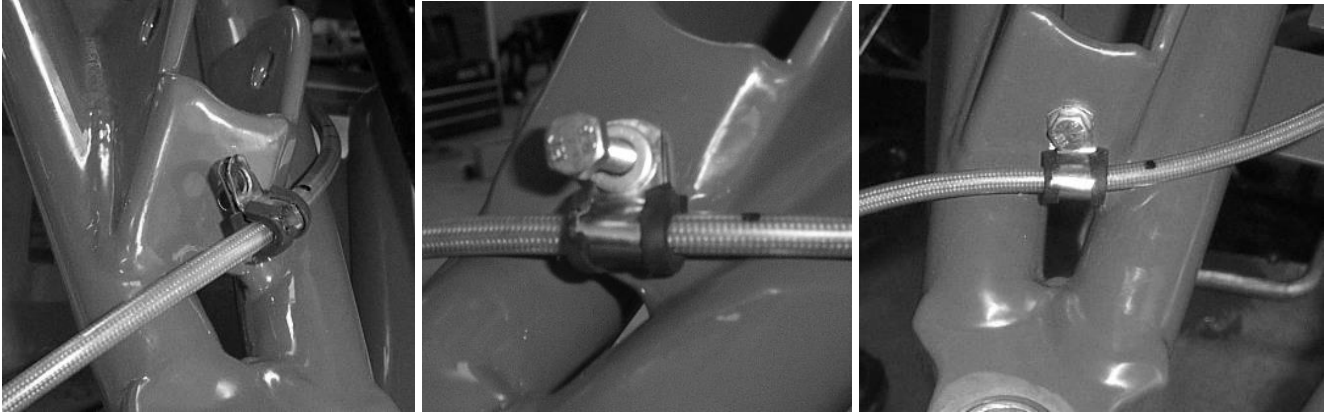


20. Do not connect the sway bar until you attach the new arms on the opposite side you are working on. Once all four arms are in place, then connect the sway bar. **At this time do the installation on the opposite side!!**

21. Connect the sway bar to the upper control arm using the factory hardware.



22. Use one of the factory P-clams and connect the brake line to the upper control arm. Connect the P-clamp using the 6mm x 20mm bolt, 6mm washer, and 6mm lock nut to the control arm.

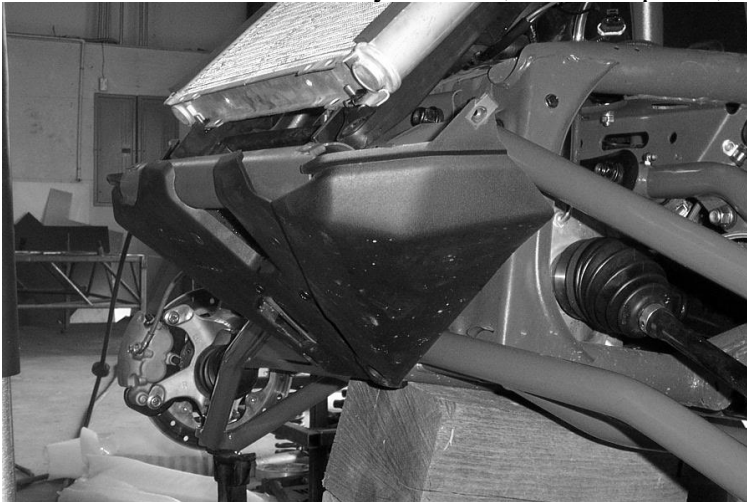


23. Fasten the remaining portion of the brake line to the upper control arm using the zip ties provided.



24. Attach control arms to the opposite side if you have not done so already.

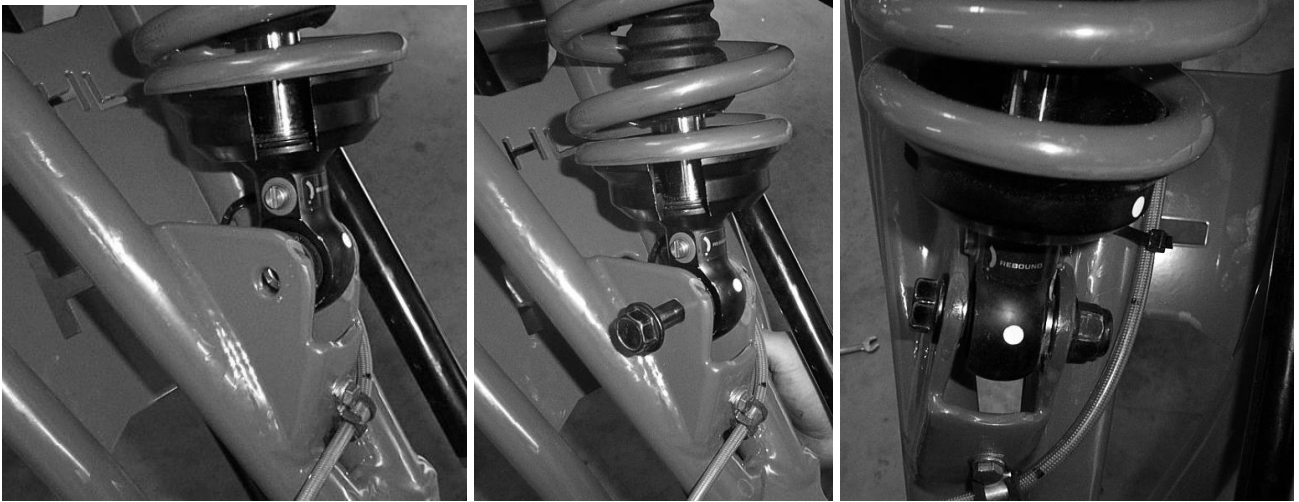
25. Now reattached all the factory brackets, deflector plates, and shocks to the RUV.



26. Connect the top of the shocks to the frame using the factory hardware.



27. Connect the lower portion of the shocks to the upper control arm using the 12mm x 65mm bolts and 12mm nuts provided.



28. Also included in the kit are steering stops. You must install them to prevent oversteering. Oversteering can lead to broken axles!

29. Disconnect the factory clamp that secure the boot to the rack and pinion. Remove the boot.



30. Turn the steering wheel the opposite side that you are working on.



31. Snap the steering stop into place.

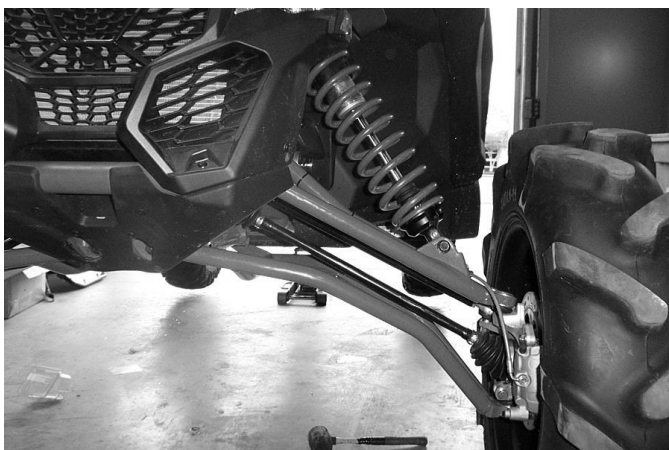


32. Place the boot back on the RUV and secure it with 14" zip tie provided Repeat steps for opposite side.



33. Place wheel back on the RUV and torque all lugs to factory specifications.

34. Reattach all the plastic and hood.





### **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