

HDRRA-RNGXD (79-16861)

Polaris Ranger 1500 XD Rear Control Arm Kit



HIGHLIFTER

SEIZMIK™



sales@highlifter.com



800-699-0947 | 8:00am - 5:00pm CST



7455 Atkinson Drive, Shreveport, LA 71129



www.highlifter.com

Parts Available For These Popular Brands and Others

POLARIS

can-am



HONDA

Kawasaki



YAMAHA

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 user's 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, or 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.

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.

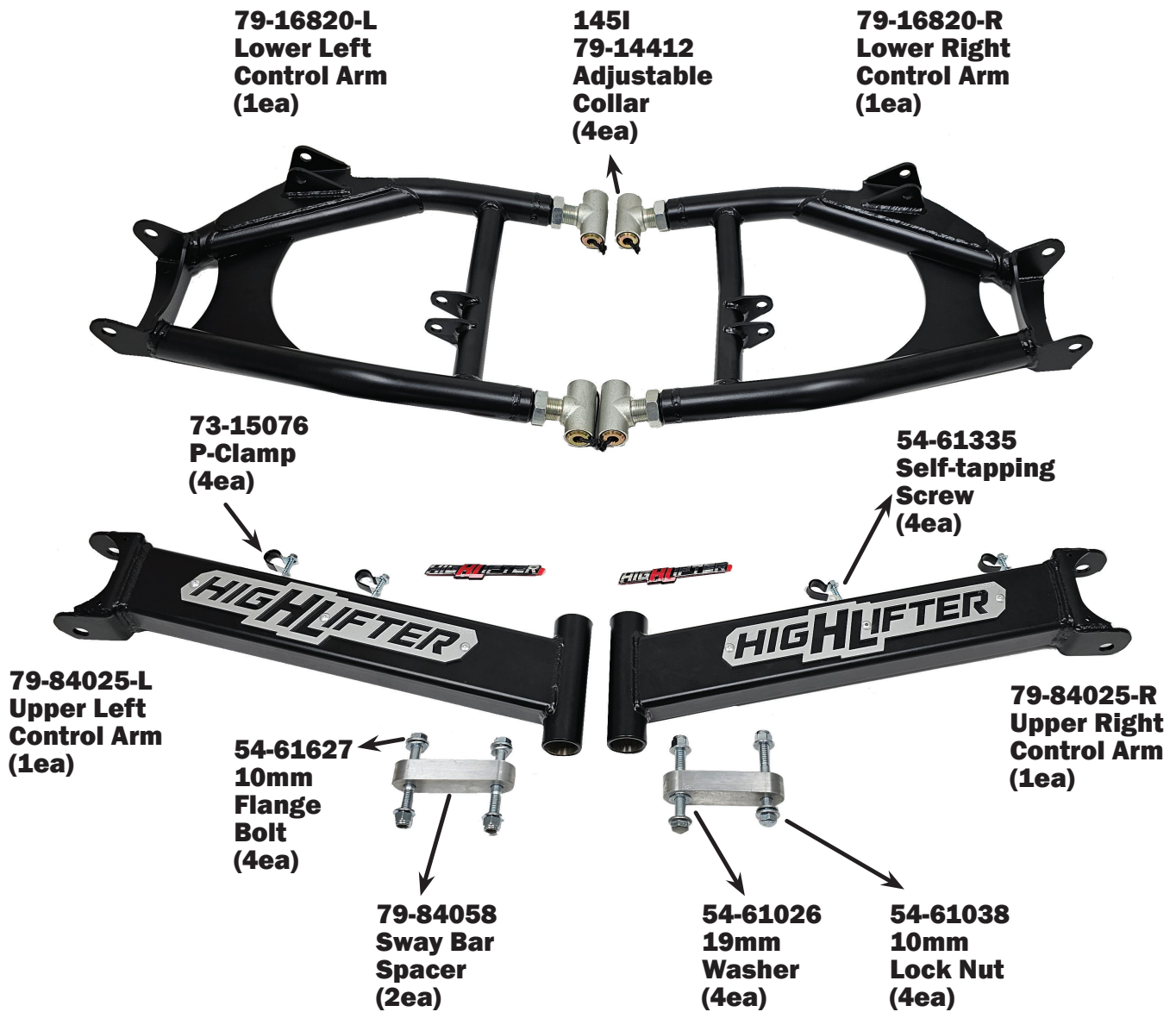
As discussed above, it is critically important that they be instructed in the need for slower speed operation, regardless of terrain, after this lift kit is installed.

HIGHLIFTER

PARTS DIAGRAM

IMPORTANT NOTICE: FOR 145° ADJUSTABLE COLLAR (4EA)

DO NOT ADJUST COLLARS UNTIL YOU ARE READY TO ADJUST THE WHEEL CAMBER. THEY ARE PRESET TO FACTORY SETTINGS. THIS CAN CAUSE THE INSTALLER TO MAKE UNNECESSARY ADJUSTMENTS DURING THE INSTALLATION PROCESS.



1

NOTE: Procedures featured will be performed from the rear **PASSENGER SIDE**. Once steps are completed, you will repeat them on the opposite side. **KEEP ALL FACTORY HARDWARE.**



Place jack under the rear center of the UTV and lift until the weight is off the suspension. Ensure that the vehicle is properly secured, so that it is stable on the jack.

Remove the rear wheel.

BRAKE LINE CLIPS

2

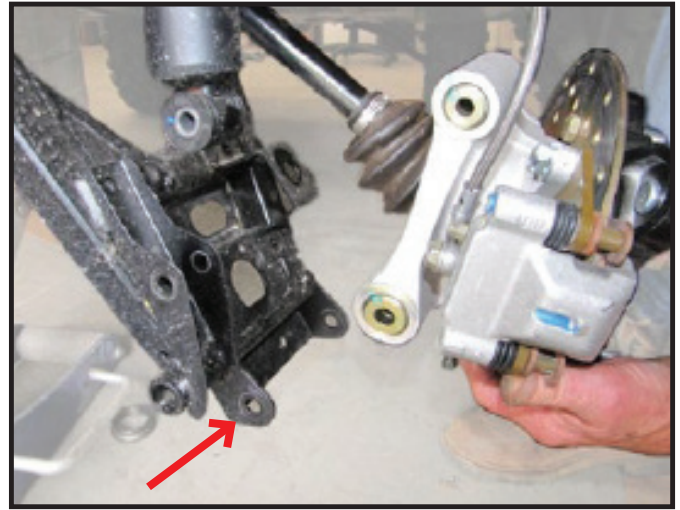
Bend up or drill out the factory p-clamps until they snap off, then remove the clamps.

3

Disconnect the **hub assembly** from the arms. You will reuse the **factory hardware** to connect the new control arms to the frame.

NOTE: YOU DO NOT NEED TO DISCONNECT THE HUB FROM THE BRAKE LINE OR AXLE.

***CAUTION: DO NOT ALLOW TO DROOP WITHOUT SUPPORT. IT CAN CAUSE IT TO COME OUT OF THE REAR DIFFERENTIAL. IT IS HELPFUL TO SUPPORT WITH A STRAP.**



REMOVING STOCK COMPONENTS

UPPER & LOWER ARMS

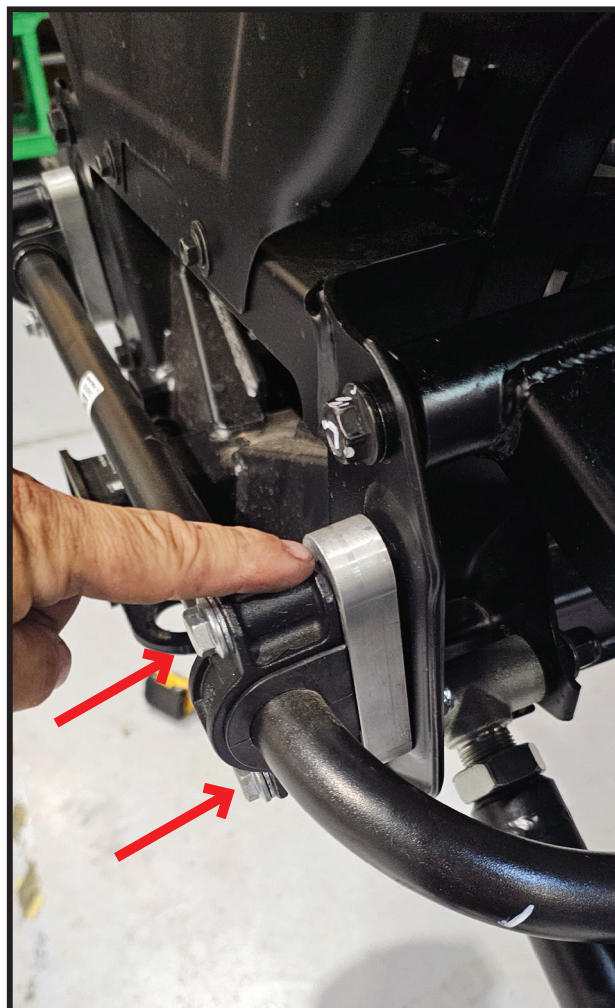
4

Disconnect the upper arm **FIRST**, then disconnect the lower arm, shock, and sway-bar. You will reuse the **factory hardware** to reconnect the new control arms to the frame.

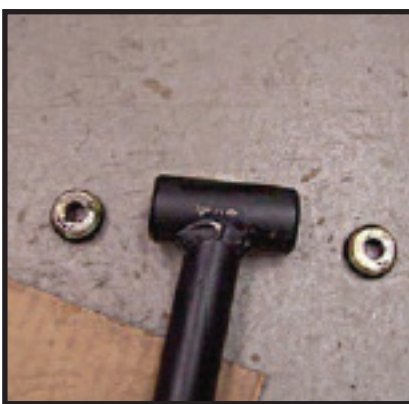


- 5** When all arms are removed, install the Sway Bar spacers. (before installing new arms) Remove the 4 bolts holding on the sway bar support, 2 bolts on either side. Slide new spacers against the bar. Install new bolts, washers and locknuts included with your kit.

NOTE: BUSHINGS ARE BUILT INTO THE ADJUSTABLE COLLARS ON THE LOWER ARMS. YOU ONLY NEED TO FOLLOW THESE STEPS FOR YOUR UPPER ARMS.



- 6** **NOTE: IF YOUR BUSHINGS ARE PRE-INSTALLED SKIP TO STEP 8**

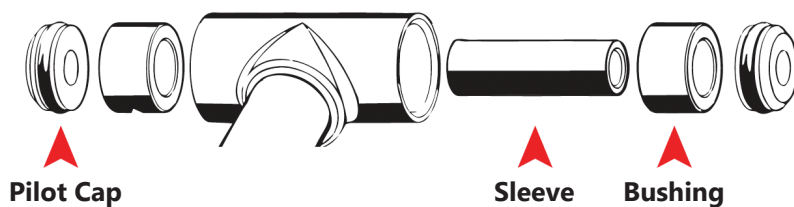


Use caution when removing the bushing from the collar, there is a stop built into the factory arm that prevents the bushing from pushing out when installed. Because of this, the bushing must be pushed out from the opposite side! A flat punch is recommended to remove the bushings.

7



8



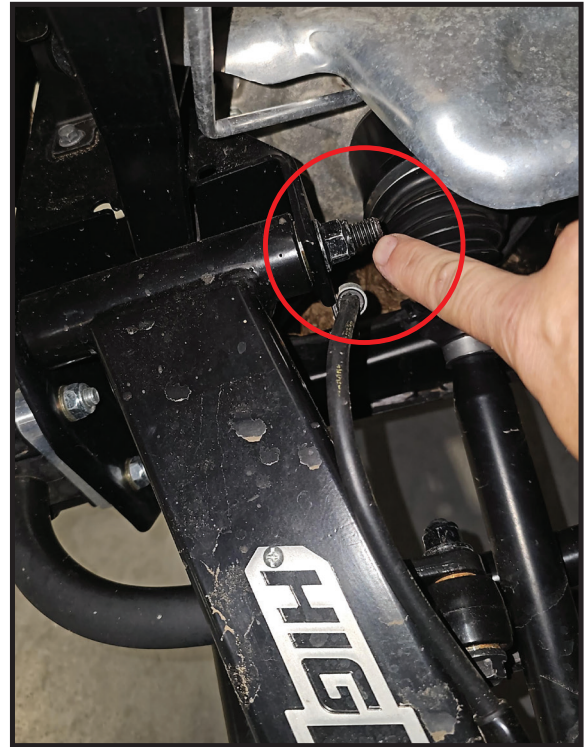
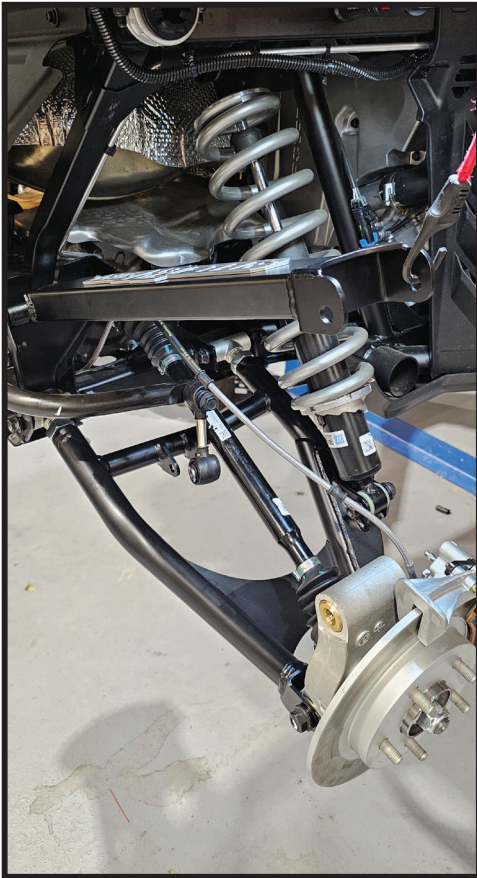
Reinstall the bushings, sleeves, and pivot caps into the new arm.



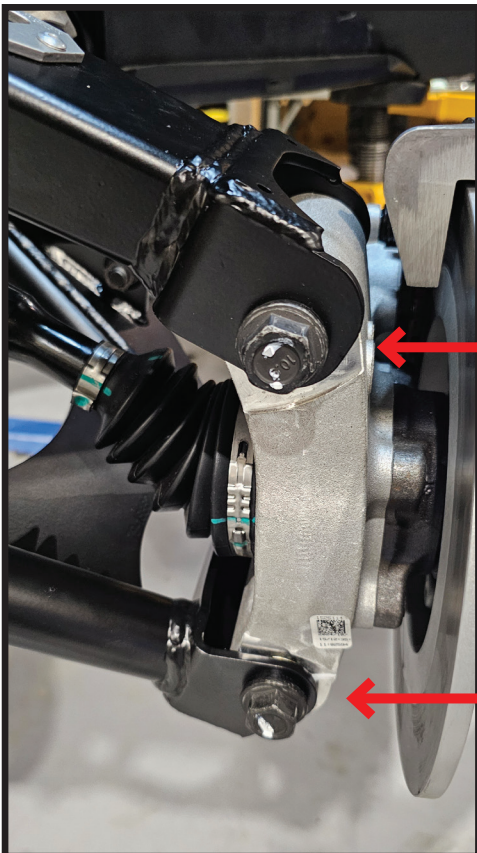
NOTE: APPLYING GREASE TO THE BUSHINGS AND SLEEVES WILL MAKE THE INSTALLATION EASIER.

NOTE: ONCE THE BUSHING IS INSERTED, YOU WILL NEED TO USE A SOCKET TO HELP PRESS IT IN ALL THE WAY.

9



Once bushings are installed, connect the new upper arm to the frame using the factory hardware. **DO NOT FORGET WASHERS.**



Attach the upper arm to the hub assembly.

INSTALL P-CLAMPS TO BRAKE LINES

10

There are holes in your new upper arms where you will install new p-clamps to hold your brake lines. Wrap the p-clamps around your brake line, slide a washer onto each self-tapping screw, then slide the screw through the clamp and into the pre-drilled hole. Be sure these are clear of the sway bar, and point the clamps up.

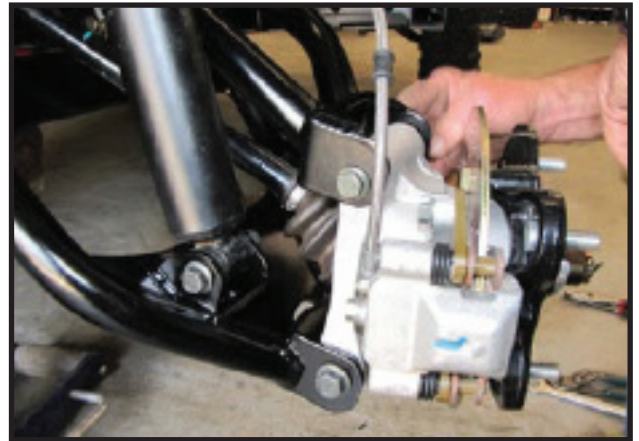
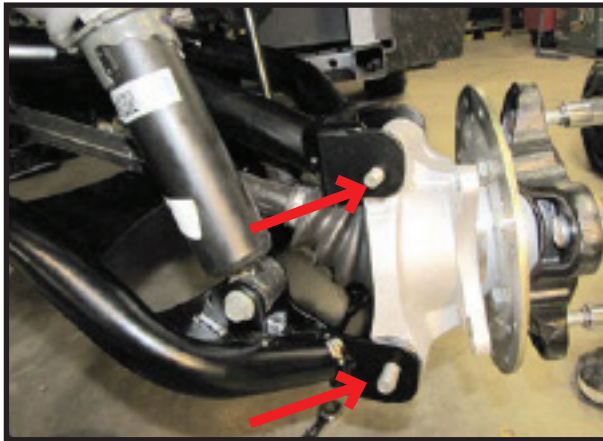


LOWER CONTROL ARM

11



Connect the new lower arm to the frame and the lower portion of the shock using the factory hardware.
DO NOT FORGET WASHERS.

12

Attach the lower arm to the hub assembly using factory hardware. DO NOT FORGET WASHERS.

「 TORQUE ALL BOLTS TO FACTORY SPEC 」

////// REPEAT STEPS ON OPPOSITE SIDE OF THE VEHICLE //////////

Once you have repeated the steps on the opposite side, place the wheels back on the vehicle. Lower the jack, and then inspect the wheel camber.

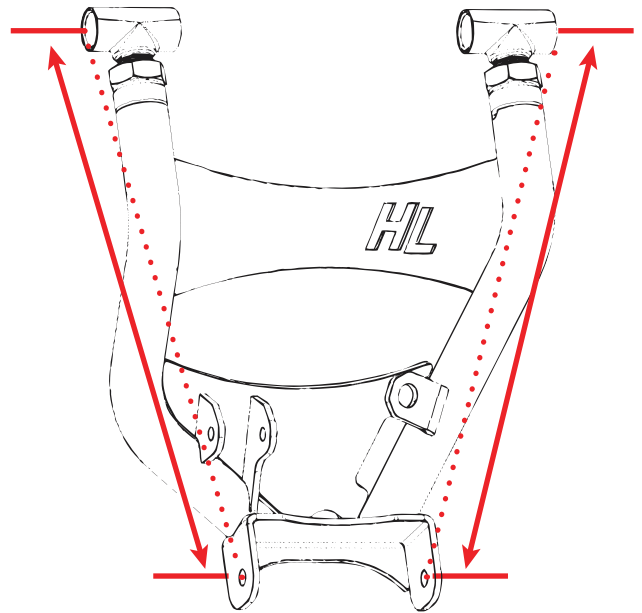
BEFORE STARTING

- Tire must be off the ground
- Tires must have equal air pressure
- Suspension components must be completely assembled

The new High Lifter lower control arms will come pre-adjusted to factory length, which is .937

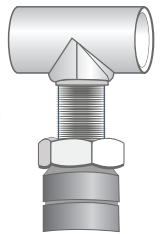
If you need to re-adjust the collars, place the factory arm and new control arm on a flat surface. Measure from eyelet to center mount on the factory arm, and then adjust the new arms to those lengths.

NOTE: When re-adjusting, leave the jam nuts loose. Do not fasten tight until installed on UTV, after all final adjustments have been made.



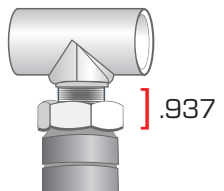
POSITIVE CAMBER

If you have a positive camber, you will need to adjust the collar OUTWARD or lengthen the control arm. The max. amount outward is "1.250" which could give up to 3° of positive camber.



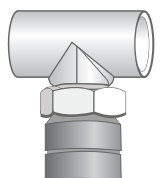
CORRECT CAMBER

For this application, we recommend a camber setting of 0°. Collars are preset to .937



NEGATIVE CAMBER

If you have a negative camber, you will need to adjust the collar INWARD or shorten the control arm. The max. amount inward is zero threads exposed and could give over 3° of negative camber.



Make all adjustments in small increments.

Do this by disconnecting the control arms at the frame and adjusting collars. Once small adjustments have been made. Take the UTV off the jack and roll it back and forth several times to check the camber. Repeat steps as needed. After alignment is complete, tighten jam nuts to 80 ft-lbs and secure it with blue loctite.

WARRANTY INFORMATION



HIGH LIFTER LIMITED 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 transferrable. 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, 7455 Atkinson Dr. Shreveport, Louisiana 71129