
ALK650P-00

Artic Cat 650 Lift Kit



Parts Available For These Popular Brands and Others

POLARIS

can-am



Kawasaki



HIGHLIFTER

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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.

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

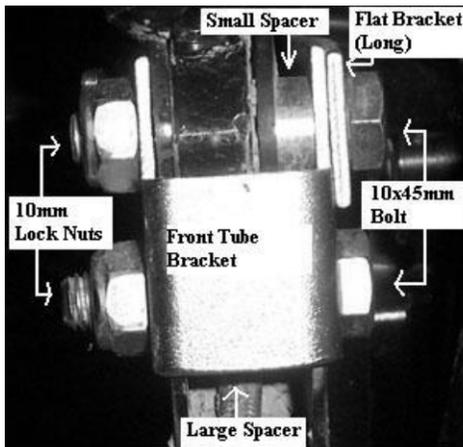


Front Lift Installation Instructions

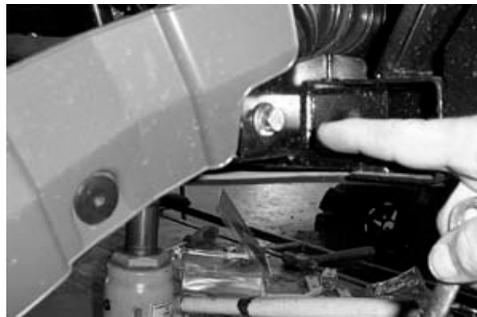
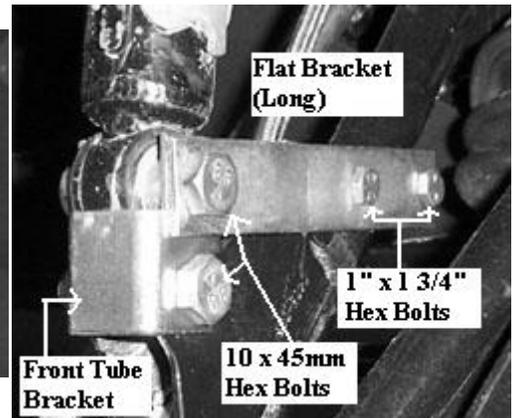
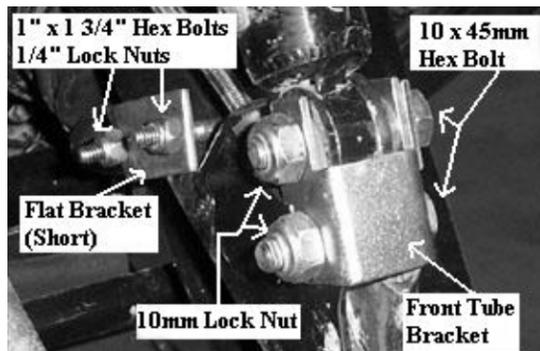
1. Place the jack under the center of the ATV front end until front wheels clear the ground. Be careful to support ATV properly so that it is secure, but so that the A-arms and shocks can droop to full extension.
2. Remove front wheels and bottom of the shock.
3. Place the Large spacer on the inside of the lower shock mount, placing the Front Square Tube Bracket, with the notch down and facing inward, and open end down and outwards, over the shock mount. Secure this bracket with a 10x50mm bolt and a 10mm nut that's provided with the kit.
4. Place the bottom of the shock inside the top of the Front Square Tube Bracket and placing one Small Spacer between the front of the shock and the Tube Bracket.
5. Next, place the Flat Bracket (Long) on the rear and to the outside of the Tube Bracket. Securing it with a 10x50mm Hex Head Bolt and 10mm Lock Nut.

Note: The angle of the bracket should extend rearward.

6. Secure the Flat Bracket (Long) to the rear of the A-arm and the Flat Bracket (Small) on the front of the A-arm with two 1"x1 3/4" Hex Head Bolts, and secure it with two 1/4" Lock Nut. Before tightening all nuts, ensure the angle of the shock is at the same original angle.
7. Tighten all bolts. Repeat this procedure for the other side.
8. On the bottom a-arm you need to remove and reverse the bolt to clearance the front CV shaft. If you do not reverse the bolt you will have the CV shaft rubbing on the lock nut and bolt.



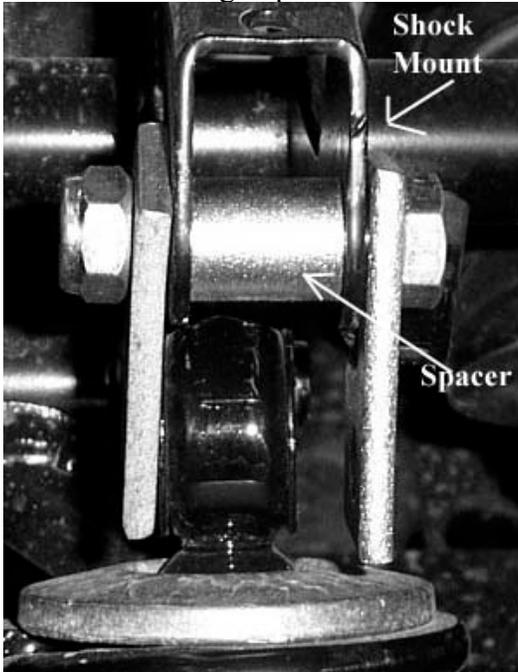
NOTE:
The Large Spacer goes between the two bolt holes on the shock mount attached to the frame.



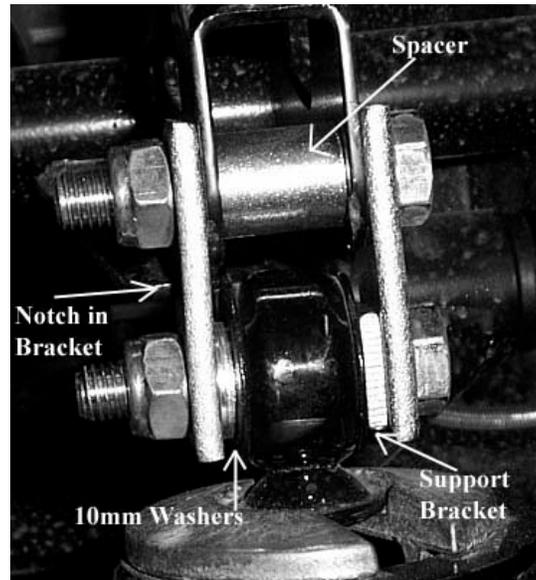
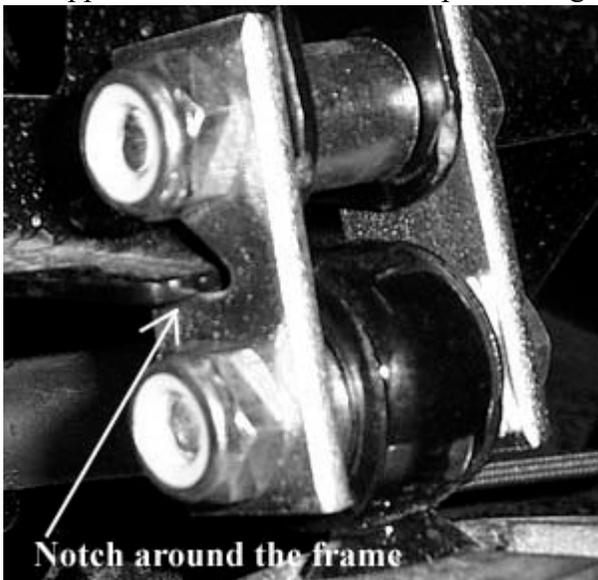
9. Once the lift kit is installed and the bolts are reversed on both sides, place the wheels back onto the ATV and torque all lugs to factory specifications.

Rear Lift Installation Instructions

1. Place jack under the ATV rear end and lift until the wheels are off the ground. Be careful to support the ATV properly so that it is secure, but so that the A-arms and shocks can droop to full extension.
2. Remove the rear wheels and the top of the shocks.
3. Place the Large Spacer on the inside of the top shock mount.



4. Next, place the rear lift brackets onto the shock mount. Make sure that you place the notched rear lift bracket so that it clears the frame on one side of the shock mount and the un-notched bracket on the opposite side. Secure them in place using the 10x50mm hex bolt and 10mm lock nut.



5. Place the top of the shock into the between the two rear lift brackets. Stack two washers and place next to the top of the shock inside the two lift brackets. On the opposite side, inside the two lift brackets attach the support bracket and secure all using the 10x50mm hex bolt and 10mm lock nut.

6. Next secure the Rear Flat Bracket to the A-arm. Remove the top A-arm nut and attach the bracket then secure it with the nut that you removed.



7. Tighten all remaining nuts and bolts.
8. Reattach shock to A-arm. Repeat steps for the other side.
9. Install the wheels, torque all wheel lugs to factory specifications, lower and remove jack. Check for clearance problems or misalignment.



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