



Arctic Cat 650 Lift 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.

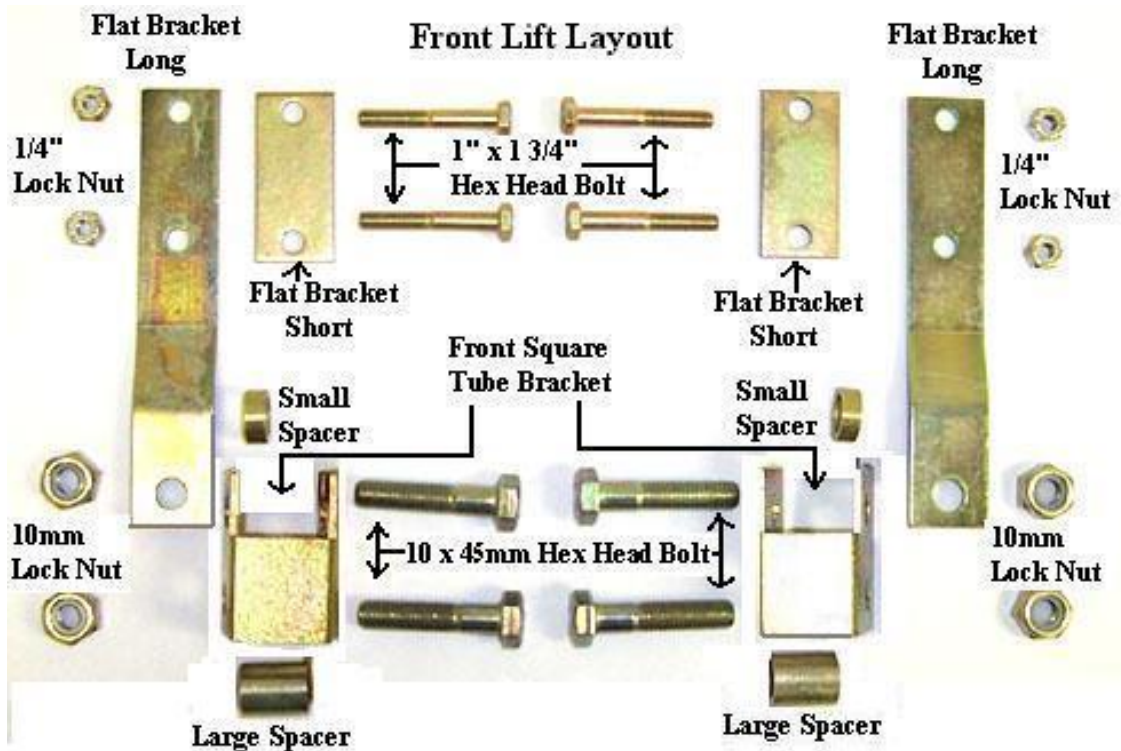
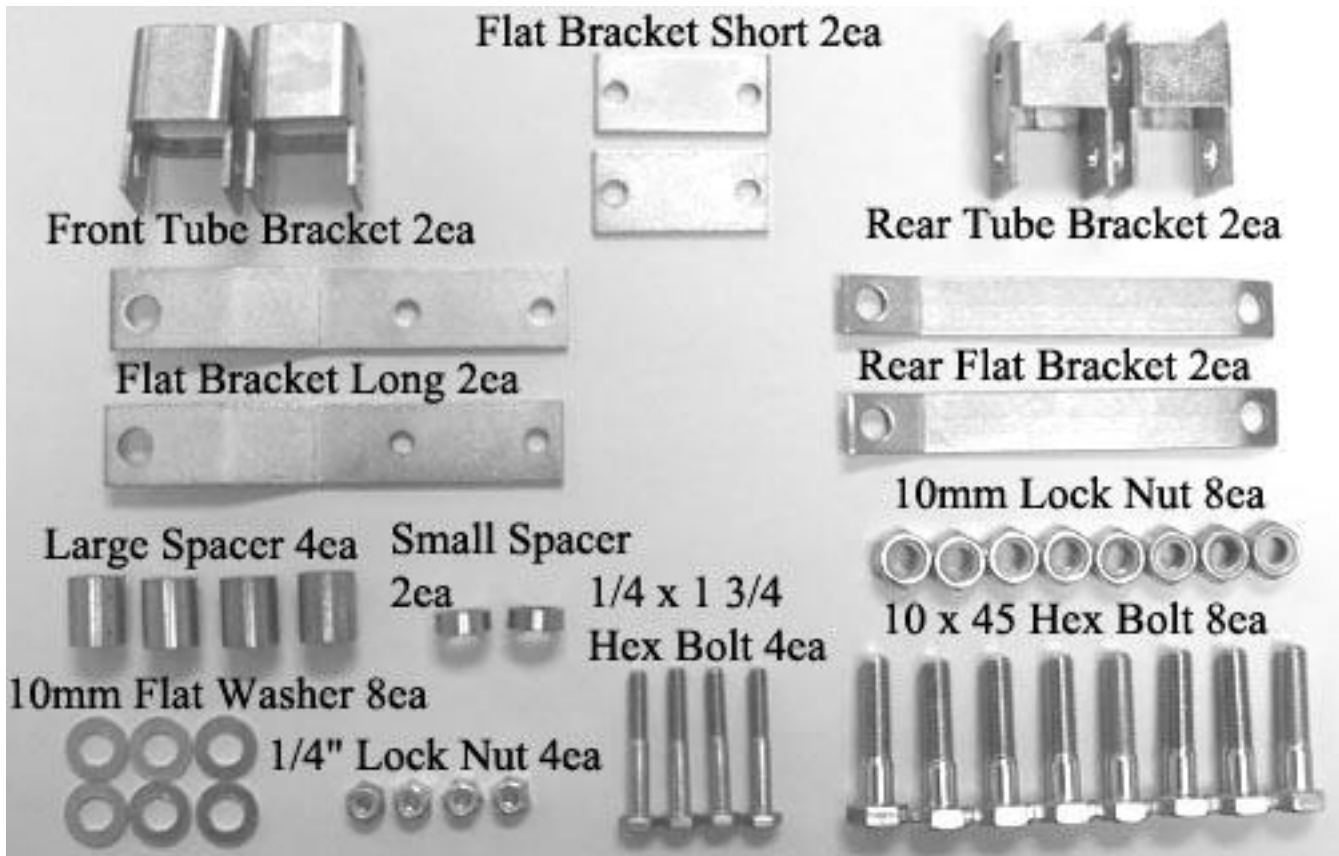
Operation of an ATV and/or RUV with or without modified suspension components, while or shortly after consuming alcohol or drugs, subjects the rider to the risk of serious bodily harm or possible death. This risk is compounded if the rider does not wear an approved helmet and other safety gear. High 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.

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.

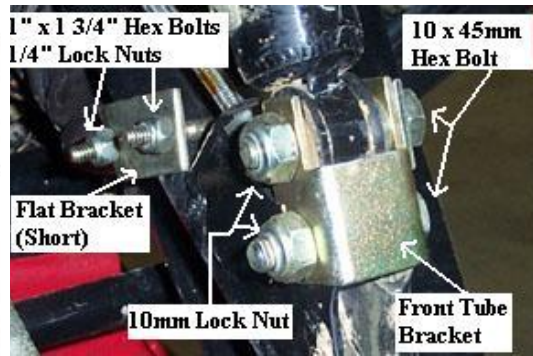
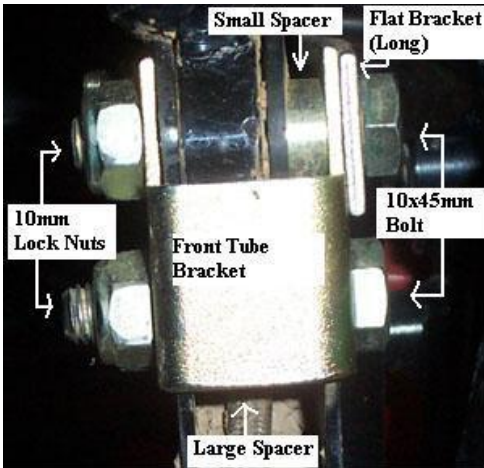


Front Lift Installation Instructions and Illustrations

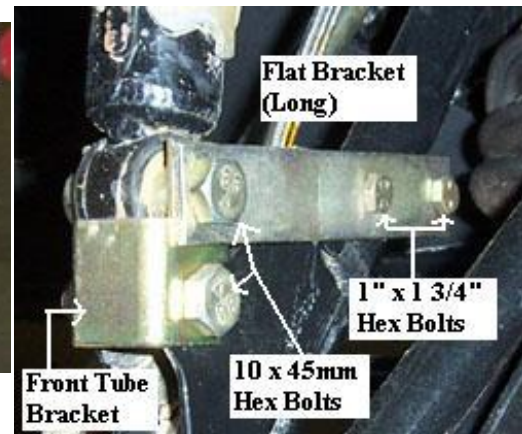
1. Place the jack under the center of the ATV front end until front wheels clear the ground. Be careful to support ATV properly so that it is secure, but so that the A-arms and shocks can droop to full extension.
2. Remove front wheels and shock.
3. Place the Large spacer on the inside of the lower shock 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 10x45mm 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 10x45mm Hex Head Bolt and 10mm Lock Nut.

Note: The angle of the bracket should extend rearward.

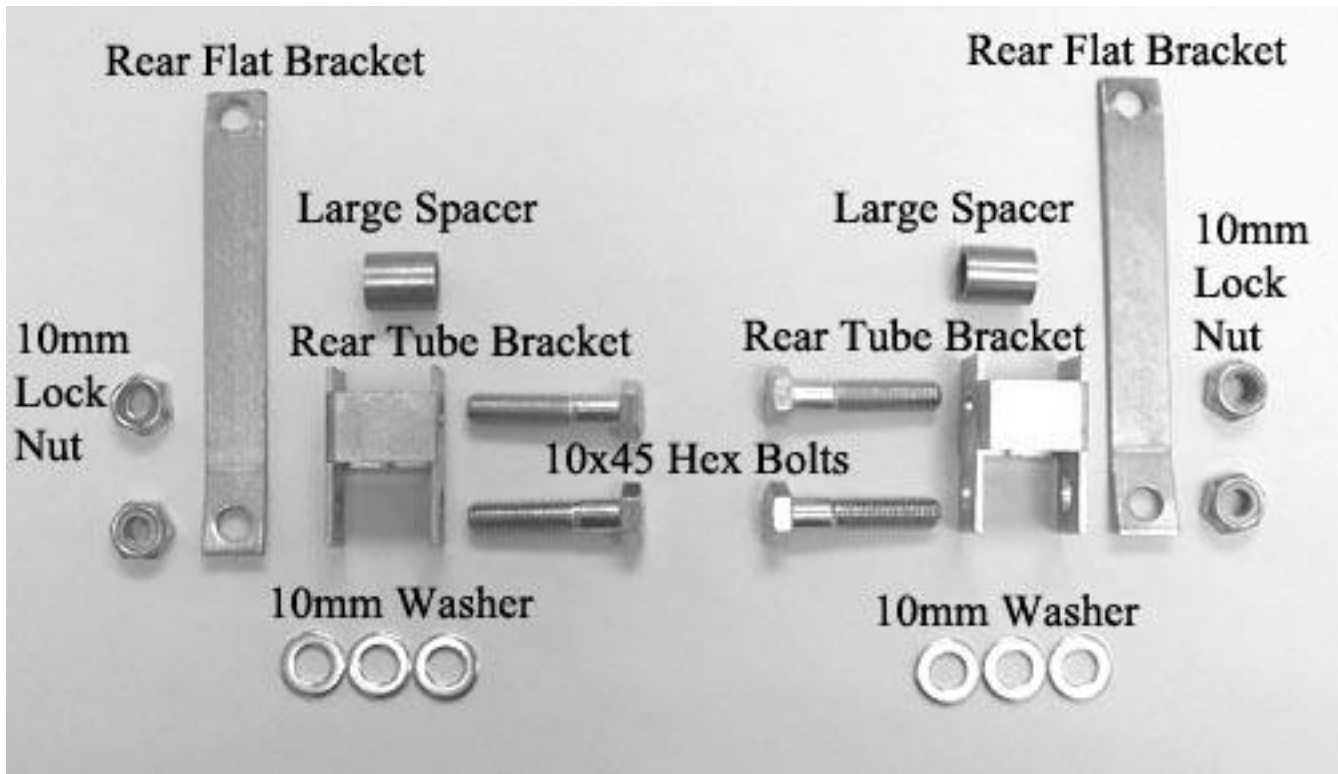
6. Secure the Flat Bracket (Long) to the rear of the A-arm and the Flat Bracket (Small) on the front of the A-arm with two 1" x 1 3/4" Hex Head Bolts, and secure it with two 1/4" Lock Nut. Before tightening all nuts, ensure the angle of the shock is at the same original angle.
7. Tighten all bolts. Repeat this procedure for the other side.
8. Install the wheels, torque all wheel lugs to factory specifications, lower and remove jack. Check for clearance problems or misalignment.



Rear Lift Installation

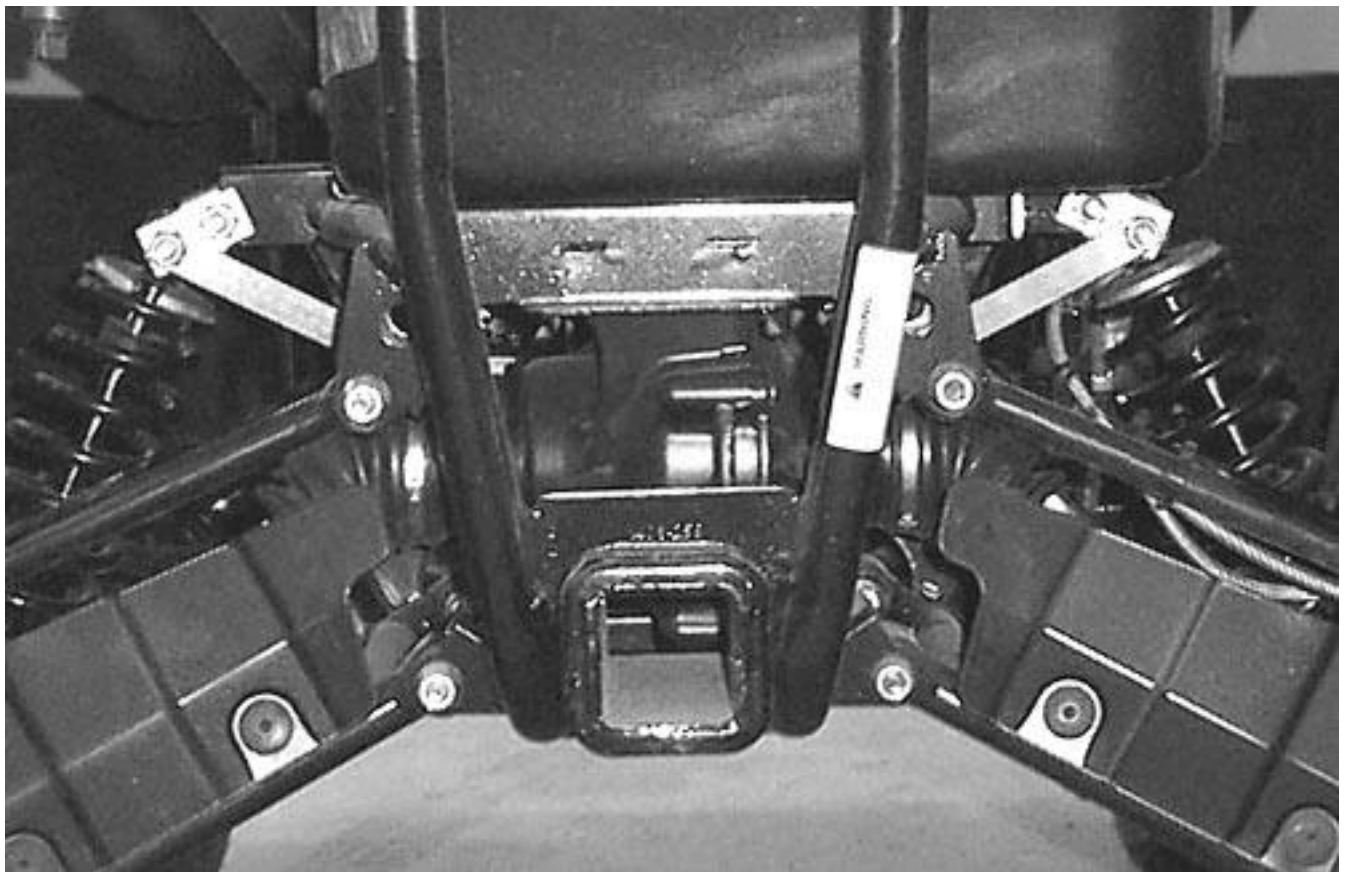
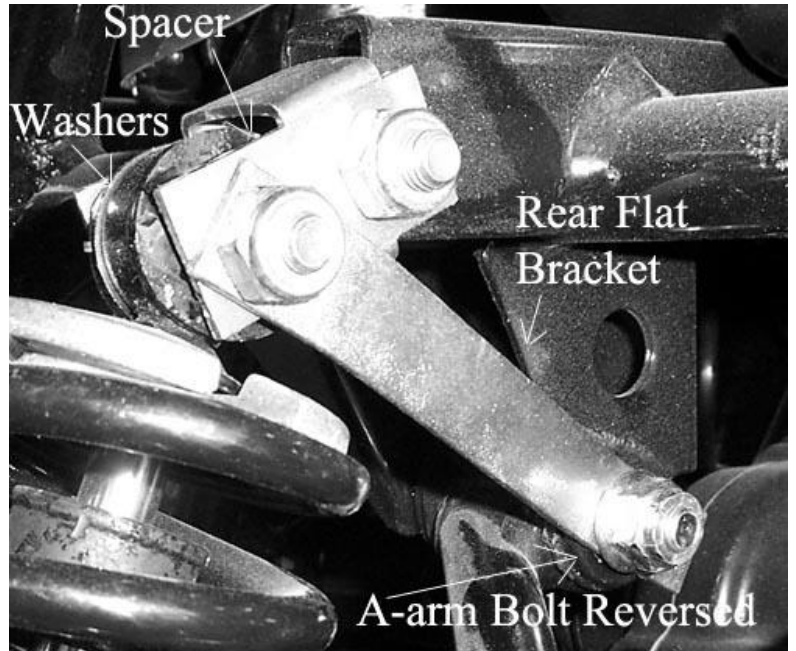
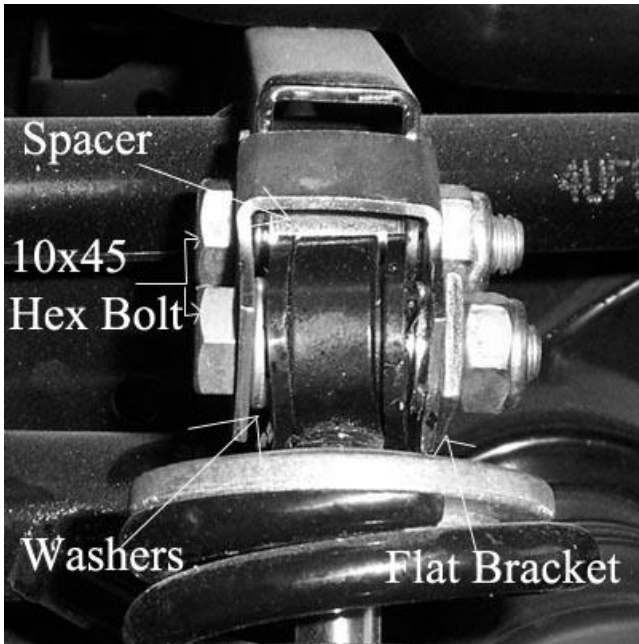


NOTE:
The Large Spacer goes between the two bolt holes on the shock mount attached to the frame.



Rear Lift Installation Instructions and Illustrations

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 shocks.
3. Place the Large Spacer on the inside of the top shock mount, placing the Rear Square Tube Bracket, with the notch down and facing inward, the open end down and outwards, over the shock mount.
4. Place the Rear Flat Bracket (with the point facing outward and to the rear of the tube bracket) next to the Rear Tube Bracket.
5. Now, loosely secure the Rear Tube Bracket, Large Spacer and Flat Brace with one 10x45mm bolt and 10mm Lock Nut. Slide the bolt from the rear of the ATV to the front.
6. Place the top of the shock into the center of the Rear Tube Bracket. Aligning it with the two holes in the bracket.
7. Insert three 10mm washers between the rear of the bracket and top of the shock, securing it with one 10x45mm bolt and 10mm Lock Nut. Slide the bolt from the rear of the ATV to the front.
8. Next secure the Rear Flat Bracket to the A-arm. Remove and reverse the top A-arm bolt and attach the bracket and secure it with the factory hardware.
9. Tighten all remaining nuts and bolts.
10. Reattach shock to A-arm. Repeat steps for the other side.
11. Install the wheels, torque all wheel lugs to factory specifications, lower and remove jack. Check for clearance problems or misalignment.



Feel the difference with High Lifter.

Find out more about suspension we have.