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Arctic Cat Prowler 650 Lift Kit

Read Before Installation!

This product is designed for use on ATVs on which additional ground clearance and fender clearance is desired. It is designed for utility type, slower-speed use on relatively flat terrain in deep mud or snow. Although we have many thousands of satisfied lift kit customers and over 400 franchised dealers selling and installing lift kits, 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 increasing risk of roll-over on side hills, ditches or other steep terrain.

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

Operation of an ATV with or without a lift kit, while or shortly after consuming alcohol or drugs, subjects the rider to the risk of serious bodily harm or possible death. This 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.

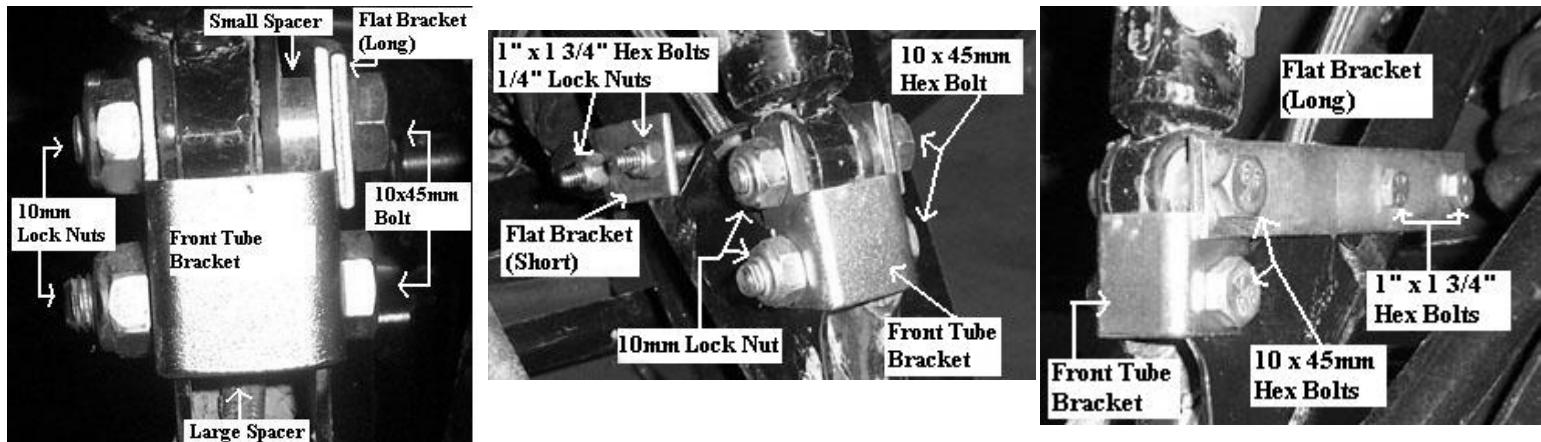
If this is not what you expected, or is not consistent with your intended use, you should return the product immediately to the seller, before installation, for a refund of the purchase price; less any fees. After installation, product is warranted for 90 days for defects in workmanship and materials. Warranty is limited to refund of the purchase price or replacement of the kit, at the seller's option. It does not include any other parts, labor, components, or consequential damages.

Parts Diagram



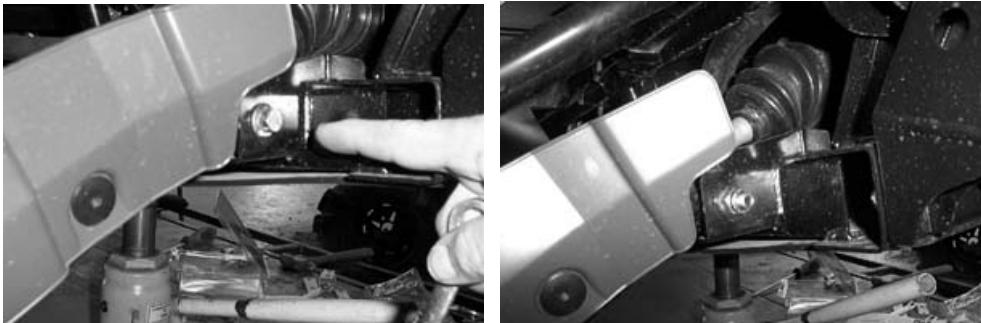
Front Lift Installation Instructions

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" 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. 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:

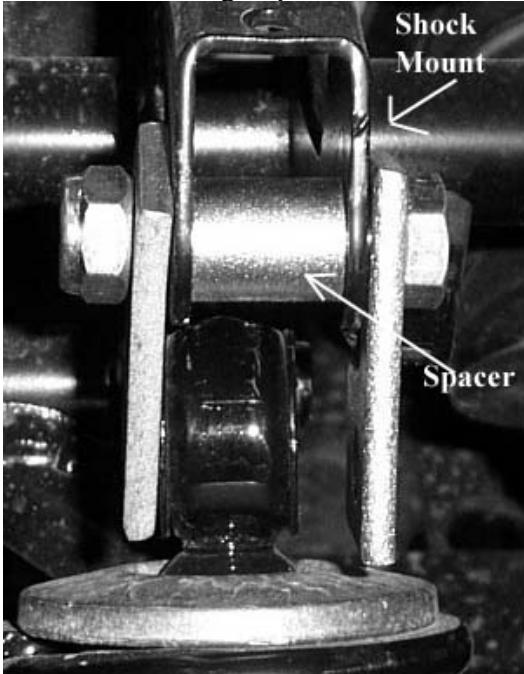
The Large Spacer goes between the two bolt holes on the shock mount attached to the frame.



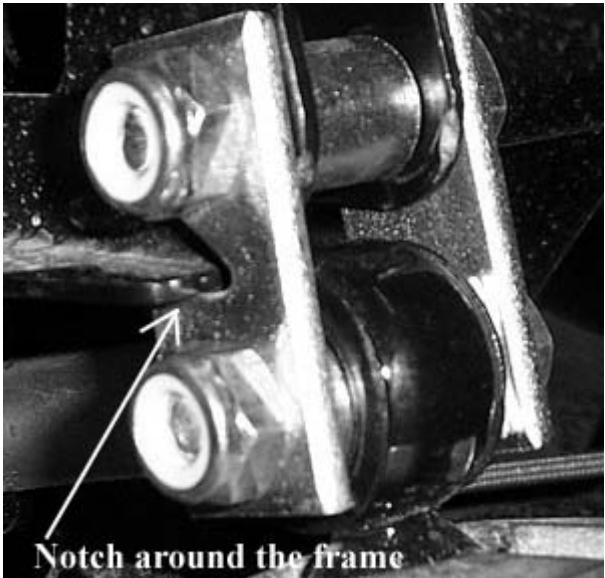
9. Once the lift kit is installed and the bolts are reversed on both sides, place the wheels back onto the ATV and torque all lugs to factory specifications.

Rear Lift Installation Instructions

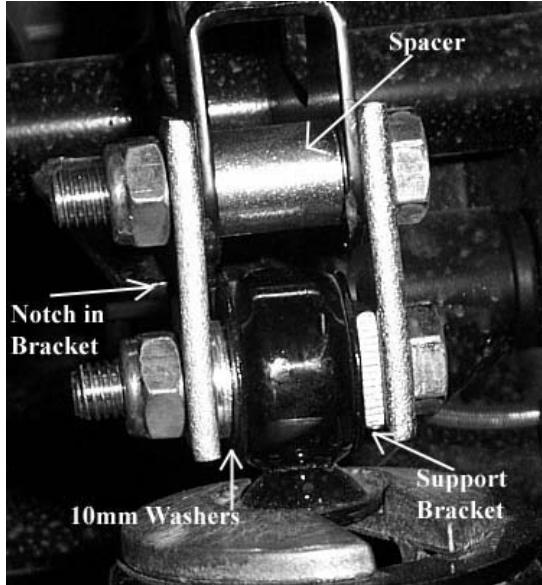
1. Place jack under the ATV rear end and lift until the wheels are off the ground. Be careful to support the ATV properly so that it is secure, but so that the A-arms and shocks can droop to full extension.
2. Remove the rear wheels and the top of the shocks.
3. Place the Large Spacer on the inside of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



Notch around the frame



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.