

High Lifter Products, Inc.  
780 Professional N. Dr.  
Shreveport, LA 71105



(318) 524-2270  
Fax (318) 524-2297

## Arctic Cat 454/500 Lift Kit Installation Instructions

### 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.

This lift kit contains the following parts:

10x45mm Bolts	8
10mm Nuts	8
10mm Flat Washers	17
1" x 1 3/4" Hex Bolt	4
1/4" Nut	4
Lift Brackets	14
Pages of Instructions	2
Pages of Diagrams	2

### **Front Lift**

- 1) Place jack under center of ATV front end and lift until front wheels clear the ground. Be careful to support ATV properly so that is secure, but so that the A-arms and shocks can droop to full extension.
- 2) Remove front wheels and shock.
- 3) Place one Bracket "A" in the front (on the inside of the shock mount) and one Bracket "A" on the rear (on the outside of the shock mount), placing spacer "F" on the inside of the of the shock mount. Secure this set of brackets with a 10x45 bolt, 10mm nut, and two 10mm Flat Washers that are provided with the kit.
- 4) Place bottom of shock between the two Brackets "A" securing it with a new 10mm bolt.
- 5) Next, place Bracket "B" on bracket "A" (on the rear outside of shock mount) securing it with a new 10mm Flat Washer and 10mm Nut.
- 6) Secure Bracket "B" to the rear of the A-arm with two 1 x 1 3/4 Hex Bolt. Before tightening all nuts ensure the angle of the shock is at the same original angle.
- 7) Tighten all bolts to manufacturer specifications.
- 8) Repeat this procedure for the other side.
- 9) Install the wheels, torque wheel lugs to manufacturer specifications, lower and remove jack. Check for clearance problems or misalignment.

### **Rear Lift**

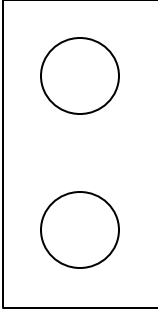
- 1) Place jack under the center of the ATV and lift until the weight is off the suspension. Be careful to secure ATV properly so as not to fall off the jack.
- 2) Remove wheels and shocks.
- 3) After removing the shocks, jack the ATV up an additional 1"-2".
- 4) Place Bracket "D" with the notch down and facing outwards on bottom of shock. Slide a 10mm bolt through top holes to hold Bracket "D" in place.
- 5) Place Bracket "E" on bolt with the bend pointing towards the back, securing it to the new 10mm bolt with a 10mm Flat Washer and 10mm Nut.
- 6) Place Bracket "C" on the inside of the shock mount, and then the bottom of Bracket "D" on the shock mount of the A-arm securing it with a 10mm bolt, 10mm Flat Washer, and 10mm Nut.
- 7) Remove the axle-housing bolt, and then use the bolt to secure the bend of Bracket "E" to the axle housing.
- 8) Next, ensure the angle of the shock is the same as the manufacturer's original angle, and tighten all bolts to required torque specifications.
- 9) Check for clearance problems or misalignment.

### **Note:**

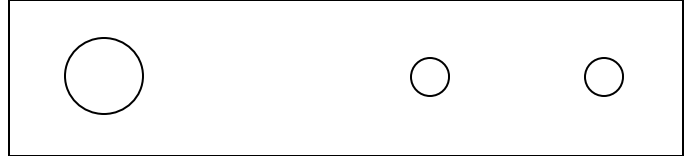
After installing front and rear lift you may notice that with the shocks "unloaded", when you first lower the jack your front-end alignment may look off. After assuring that everything is tight and there are no clearance problems, ride the ATV a short distance to "reload" the suspension. Check the front-end alignment. Many ATV's we have lifted need no adjustment, however with Artic Cat's in particular you need to check, and if needed adjust per the Owners Manuel specifications.

# Parts List

“A” - 4



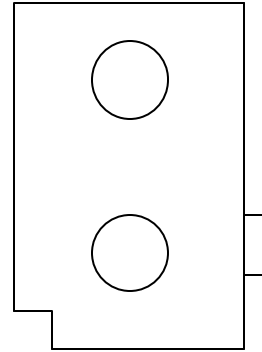
“B” - 2



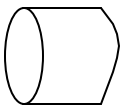
“C” - 2



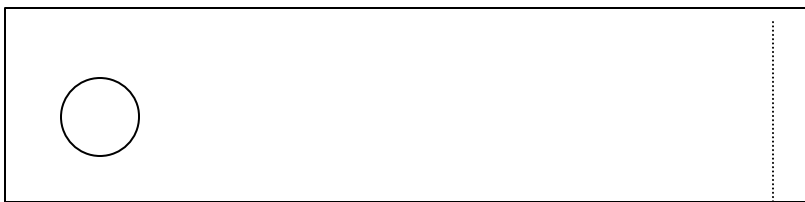
“D” - 2



“F” - 2



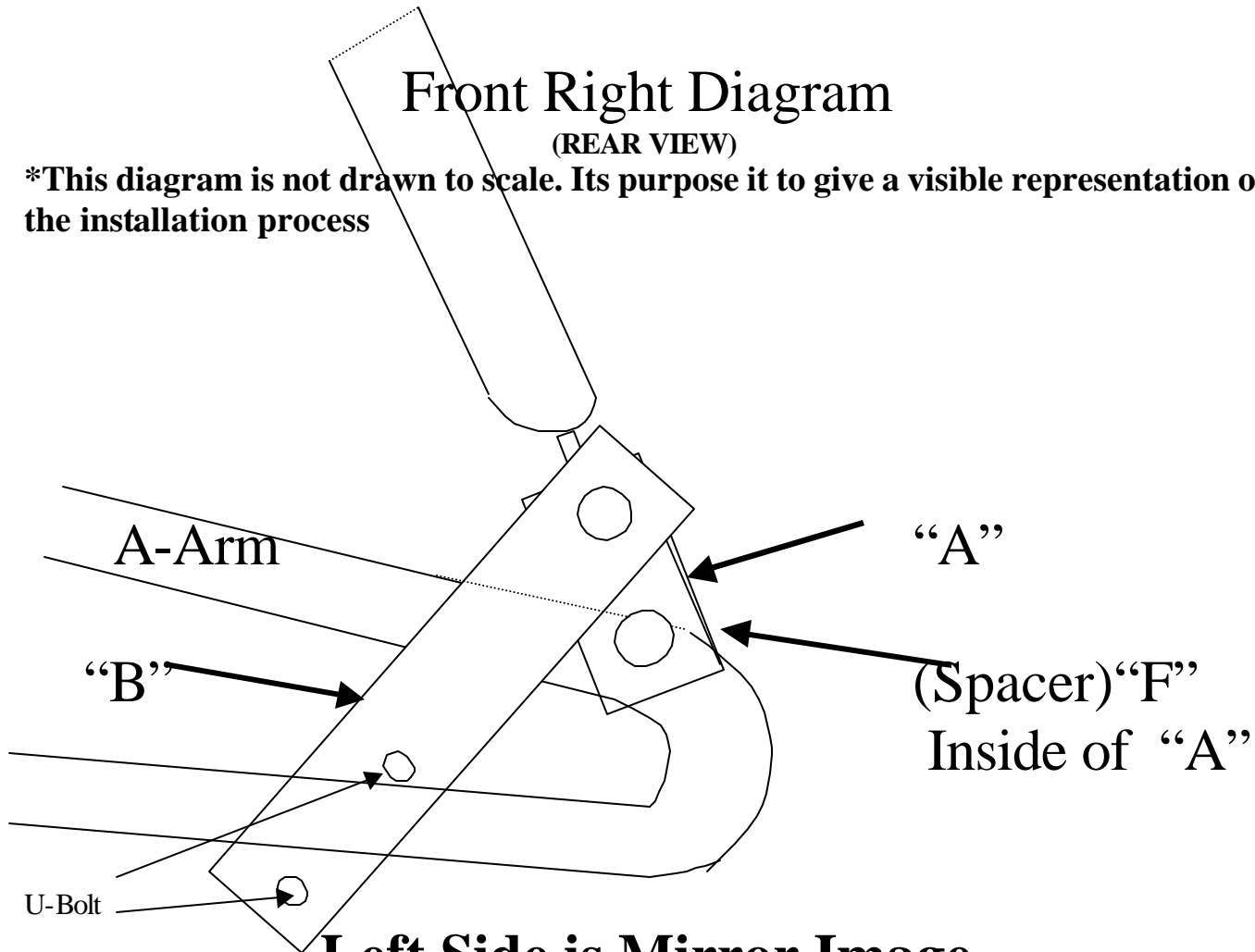
“E” - 2



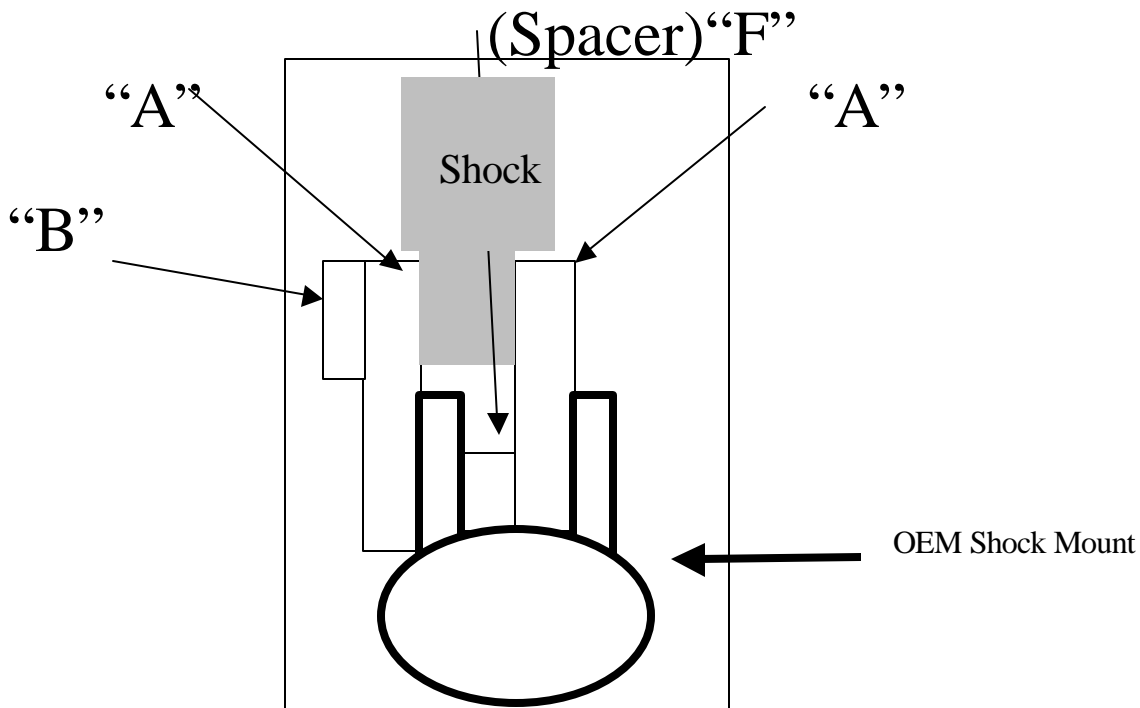
# Front Right Diagram

(REAR VIEW)

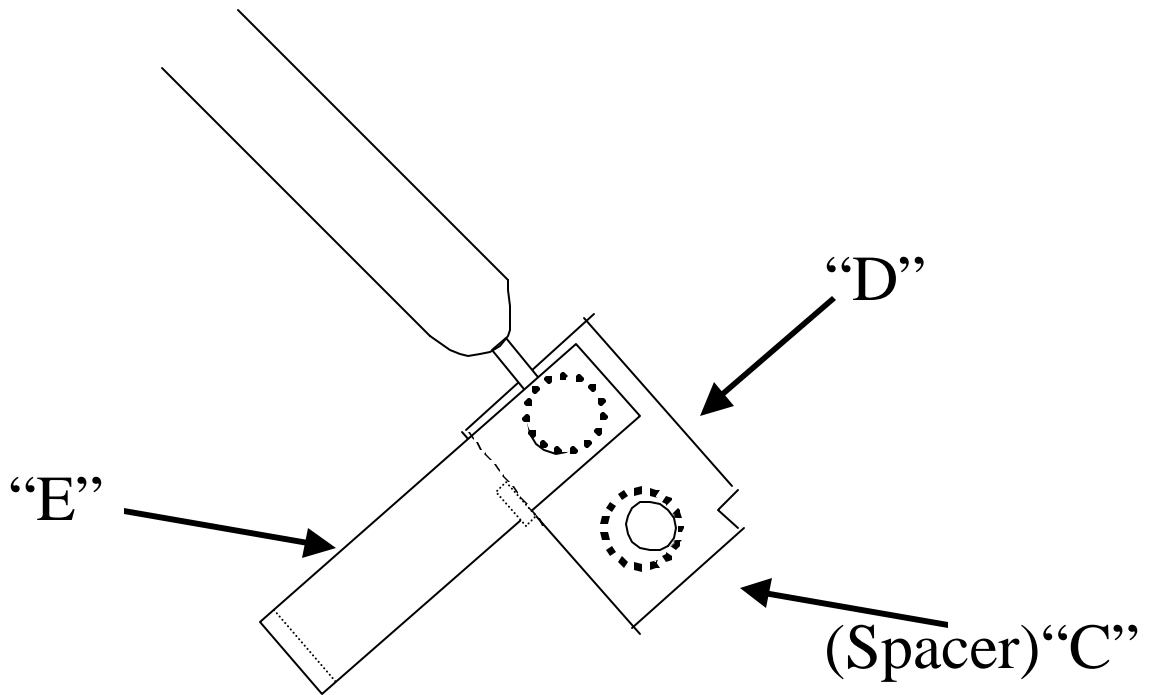
**\*This diagram is not drawn to scale. Its purpose is to give a visible representation of the installation process**



## Left Side is Mirror Image Side View of Right Front Installation



Rear Right



**Left Side is Mirror Image**

**Front Left Installation (Rear View)**



**Front Left Installation (Front View)**



**Rear Installation**

