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

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

# Yamaha 400 Big Bear 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:

| | | | |
|---|---|---|---|
| 10x55mm Bolts | 4 | Pages of Diagrams | 3 |
| 10x65mm Bolts | 2 | Pages of Instructions | 2 |
| 10mm Nuts | 6 | | |
| 8x55mm Bolt | 2 | | |
| 8mm Nuts | 2 | | |
| 10mm Flat Washers | 28 | | |
| 7/16 x 3 ¼ Bolt | 2 | | |
| 7/16 Thin Nut | 2 | | |
| Lift Brackets | 14 | | |

# 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 it is securely supported but so that A-arms and shocks can droop to full extension.
2) Remove front wheels, unbolt bottom shock mounting bolt, and remove.
3) Slide bottom of lift bracket "A" over A-arm shock mount and place spacer "E" between the shock mount ears, then place a washer on the head of the new 10x55mm bolt, and insert it through the bottom of spacer "E", bracket "A", spacer "E", and the bottom shock mount. Place a washer and nut on the end of the bolt to hold the bolt in place.
4) Slide bottom of shock into top of lift bracket "A". Place 3 washers between the bottom of the A-arm shock mounting bracket and the inside of lift bracket "A" (on the front side). Placing a washer on the head of the bolt, insert a new 10x65mm bolt through the top bracket hole, shock, and spacer (from the back side).
5) Place the short bend end of bracket "B", on the front side and now on the bolt protruding from the top of bracket "A". Place a washer and nut on the end of the bolt to hold the bolt in place.
6) Place bracket "C" on the front and rear of the front side of the A-arm. Place a washer on the head of a 8x55mm bolt and place the bolt through the top bolt holes of brackets "C", and then place the longer end of bracket "B" on the top bolt protruding from the front of bracket "C". Place a washer and nut on the end of the bolt to hold the bolt and brackets "C" in place.
7) Place a washer on the head of a 10x55mm bolt and place the bolt through the bottom bolt holes of brackets "C". Place a washer and nut on the end of the bolt to hold the bolt in place.
8) Repeat the procedure for the other side.
9) Tighten all bolts to manufacturer's torque specifications.
10) Install the wheels, torque wheel lug nuts to manufacturer's specifications, lower and remove jack. Check for clearance problems or misalignment.

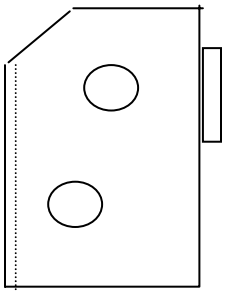
Note: On some models, the guard protecting the CV boots will rub the A-arm during full suspension travel when the wheels are turned. In these cases, approximately ¼" of the bottom edge of the factory stick guard must be ground off.

# Rear Lift

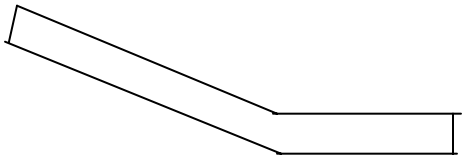
1) Place jack under ATV at the rear of the bottom skid plate (<u>not the differential</u>) and lift until the weight is off of the suspension. Be careful to secure the ATV properly so as not to fall off the jack.
1) Disconnect the bottom of the shock and remove the pin.
2) After removing the shock, jack the ATV up 1"-2" further.
3) Insert a new 7/16" bolt through bottom of bracket "F", the shock mount, spacer "I", and the bottom of bracket "G". Then place a 7/16" thin nut on the end of the bolt to hold the brackets and bolt in place. (Notice that bracket "F" is slightly thicker than bracket "G" on the end. Bracket "G" goes closest to the differential.)
4) Install the remaining 7/16mm bolt through the top hole of the lift brackets and shock. (Bracket "H" should go between the inside of bracket "G" and the left side of the bottom shock eyelet.
5) Install lift bracket "H" on the top of the differential housing.
6) Tighten all bolts to manufacturer's torque specifications.
7) Install the wheels, torque wheel lug nuts to manufacturer's specifications, lower and remove jack. Check for clearance problems or misalignment.

## Parts List

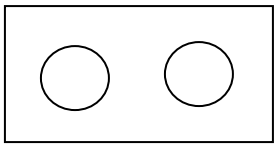
"A" Qty 2



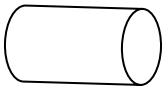
"B" Qty 2



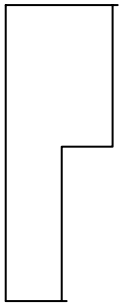
"C" Qty 4



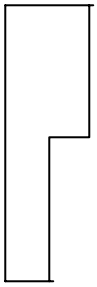
"E" Qty 2



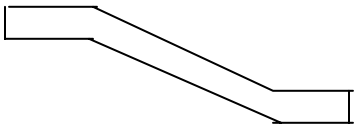
"F" Qty 1



"G" Qty 1



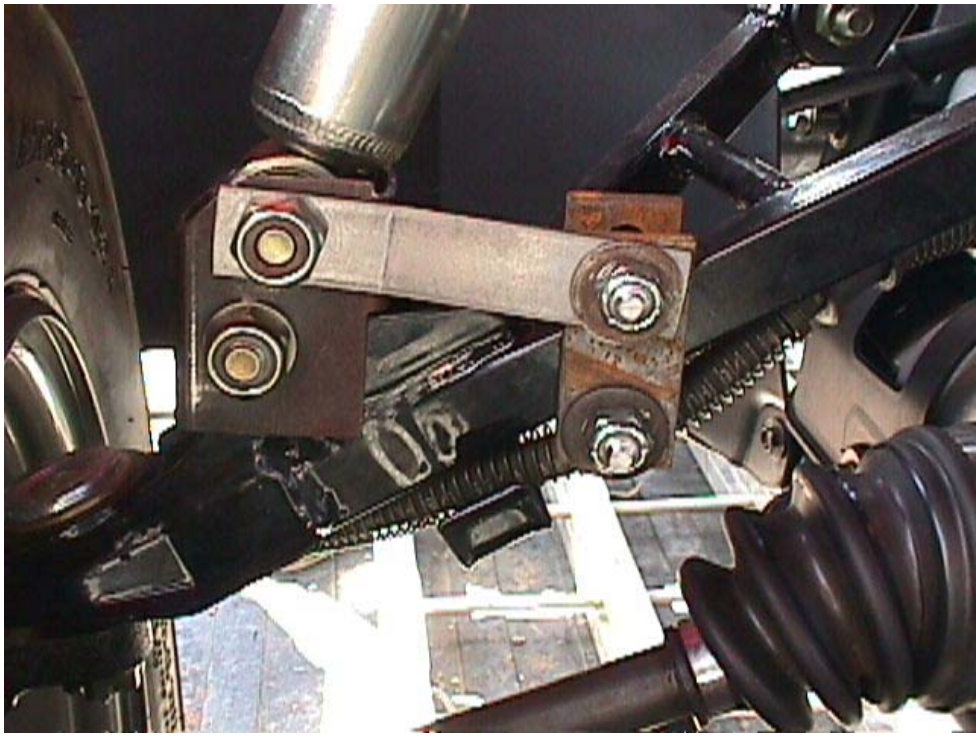
"H" Qty 1



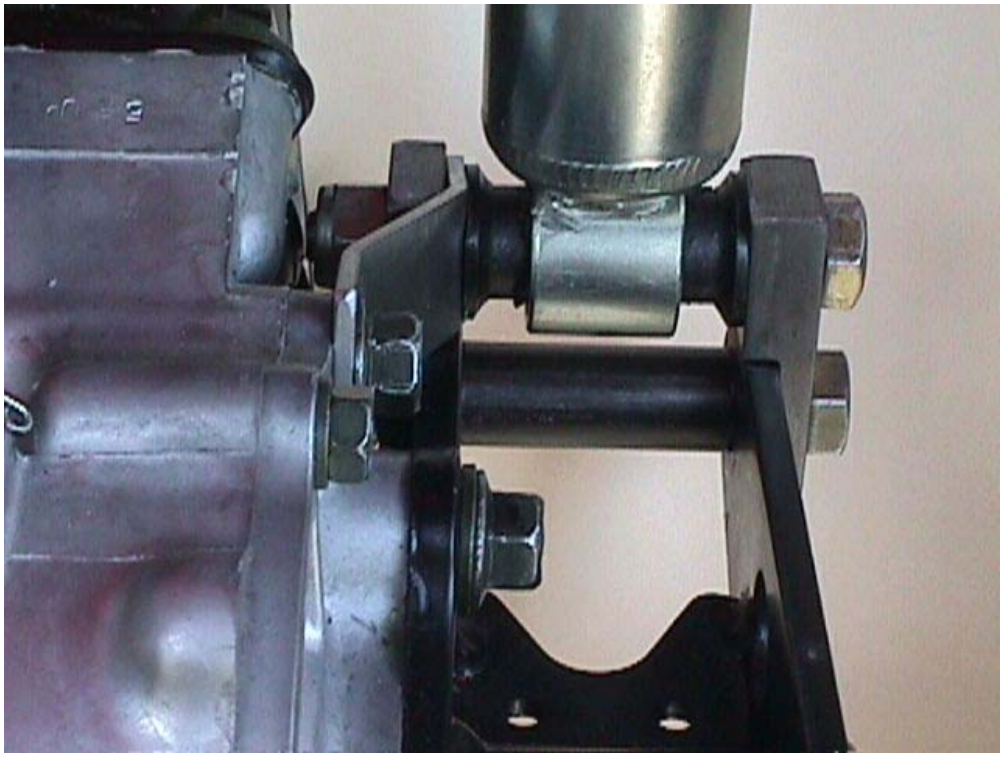
"I" Qty 1

## Pictures

Front Installation Picture

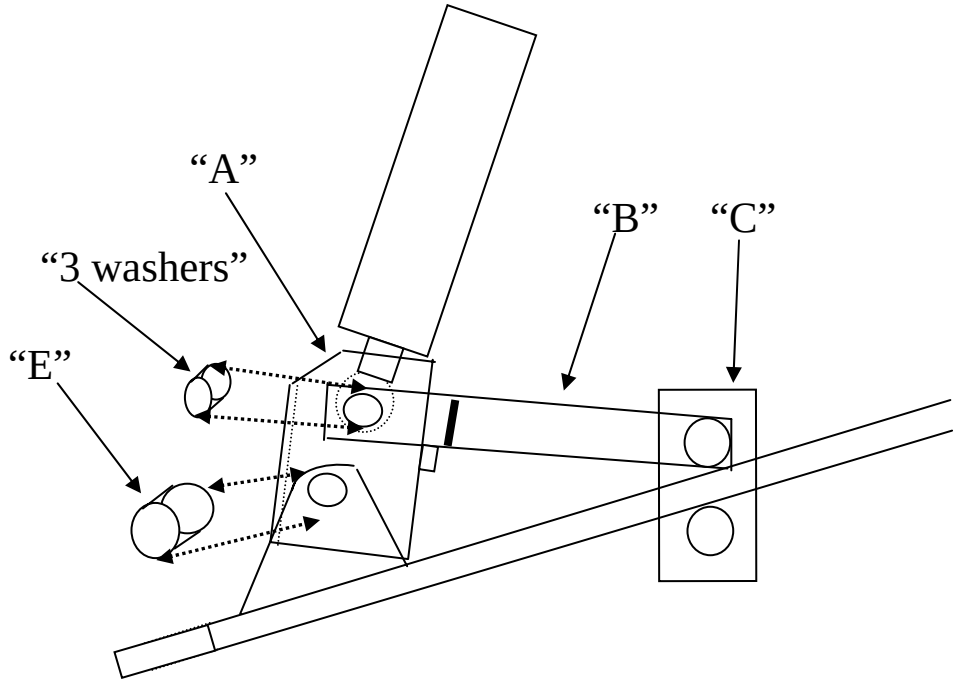


Rear Installation Picture



**Diagrams**

Front Installation Diagram




Rear Installation Diagram