



780 Professional Drive N. Shreveport, LA 71105 Phone (318)-524-2270 Fax (318)-524-2297
www.highlifter.com

Yamaha 400 Big Bear Lift Kit Installation Instructions

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.

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.

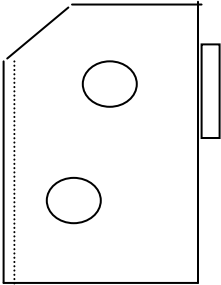
Note: On some models, the guard protecting the CV boots will rub the A-arm during full suspension travel when the wheels are turned. In these cases, approximately $\frac{1}{4}$ " of the bottom edge of the factory stick guard must be ground off.

Rear Lift

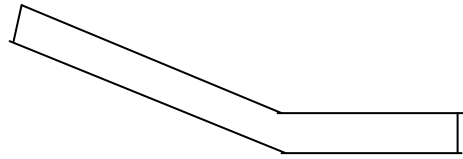
- 1) Place jack under ATV at the rear of the bottom skid plate (not the differential) and lift until the weight is off of the suspension. Be careful to secure the ATV properly so as not to fall off the jack.
- 1) Disconnect the bottom of the shock and remove the pin.
- 2) After removing the shock, jack 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

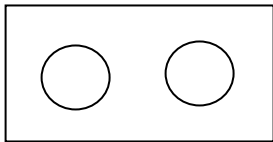
“A” Qty 2



“B” Qty 2



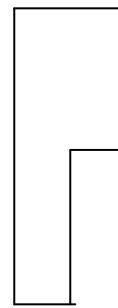
“C” Qty 4



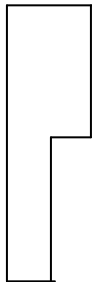
“E” Qty 2



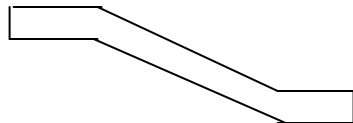
“F” Qty 1



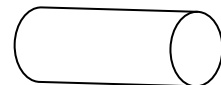
“G” Qty 1



“H” Qty 1



“I” Qty 1

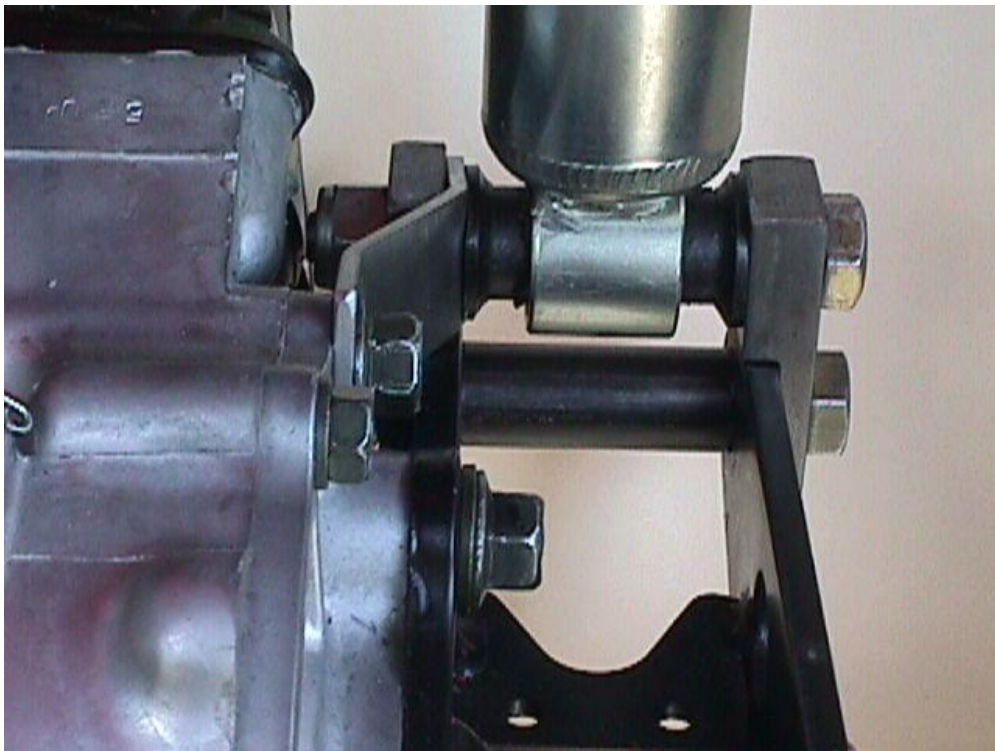


Pictures

Front Installation Picture

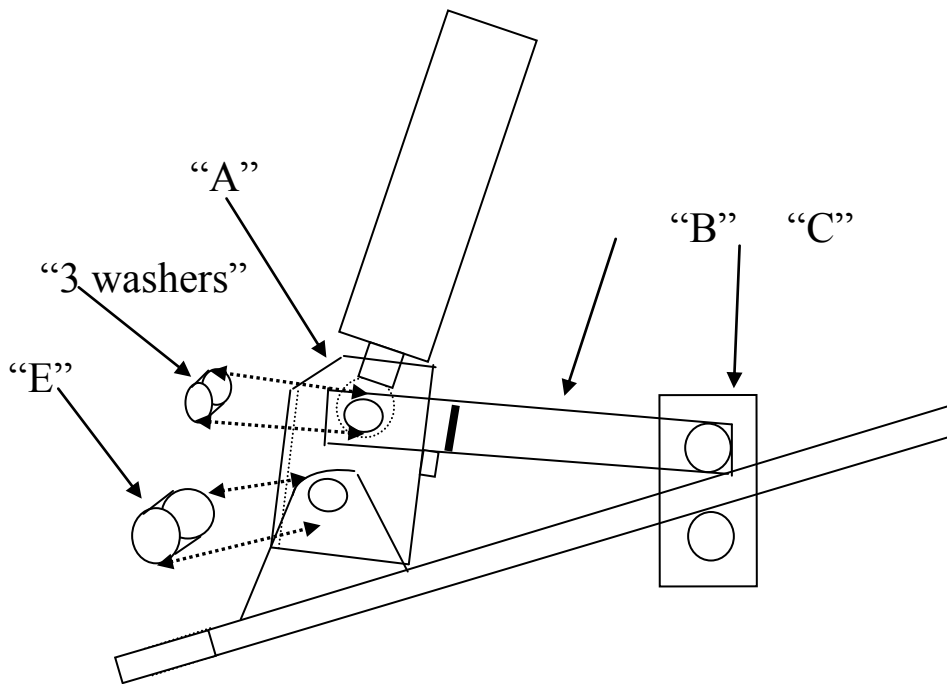


Rear Installation Picture

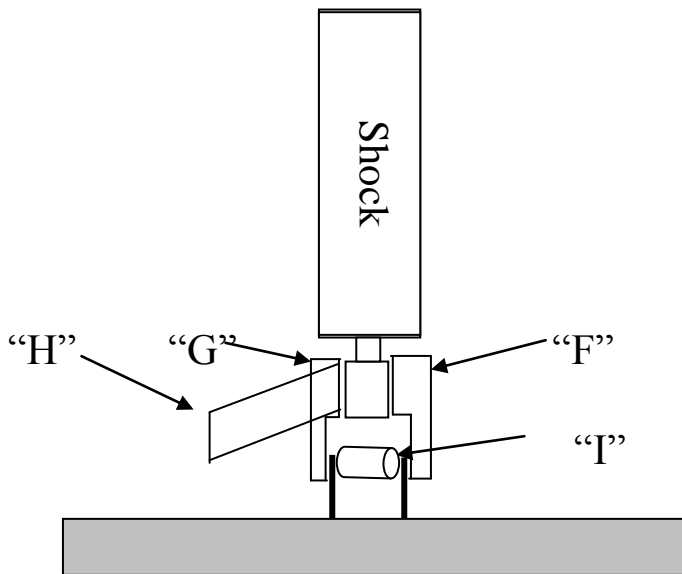


Diagrams

Front Installation Diagram



Rear Installation Diagram



Thank You

For choosing





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