



## **Yamaha Big Bear 400i**

### **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 Tube Bracket  
(2ea)**



**Front Support Bracket  
(2ea)**



**Front Small Support  
Bracket (4ea)**



**10mm Lock Nut  
(8ea)**



**6mm Lock Nut  
(4ea)**



**10mm Washer  
(2ea)**



**Rear Tube Bracket  
(2ea)**



**Large Spacer (4ea)**



**Small Spacer (4ea)**



**6 x 40 Hex Bolt (4ea)**



**10 x 60 Hex Bolt (8ea)**



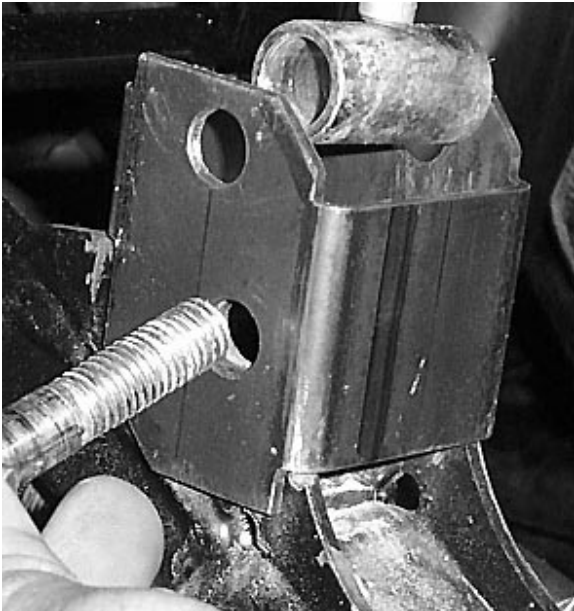
**Tie Rod 2ea**

### Front Lift Installation

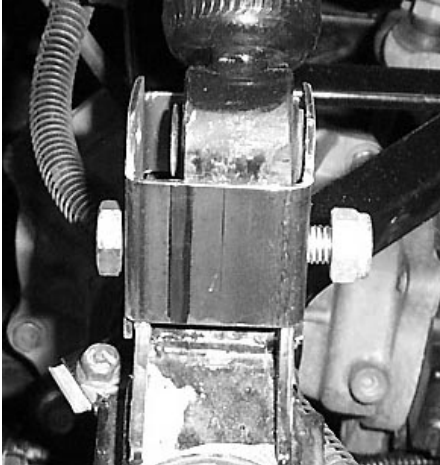
- 1) Place ATV transmission in park. Place jack under center of ATV front end and lift until front wheels clear the ground. Be careful to support ATV properly so that it is securely supported so that A-arms and shocks can droop to full extension.
- 2) Remove front wheels.
- 3) Remove the bottom of the front shocks.



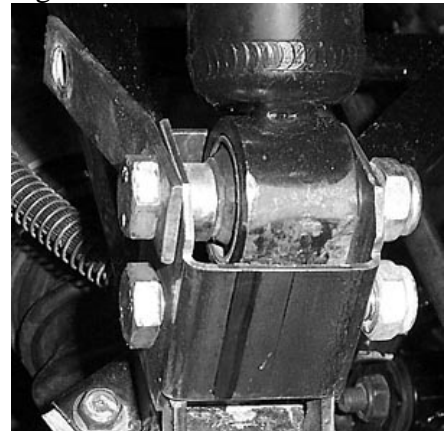
- 4) Place the front lift tube bracket onto the front shock mount. Insert the Spacer between the shock mount tabs.



- 5) Connect the Front lift tube bracket to the frame using the 10mm x 60mm Hex bolts and 10mm lock nuts.
- 6) Next, insert the bottom of the shock into the top of the tube bracket. Place the small spacer tot the inside of the tube bracket next to the shock.



- 7) Insert the 10mm x 60mm hex bolt through the support bracket and then through the tube bracket, spacer and shock until it goes all the way through. Secure it using the 10mm lock nut



- 8) Connect the support bracket to the A-arm using the two smaller support bracket and 6mm x 40mm hex bolts and 6mm lock nuts.

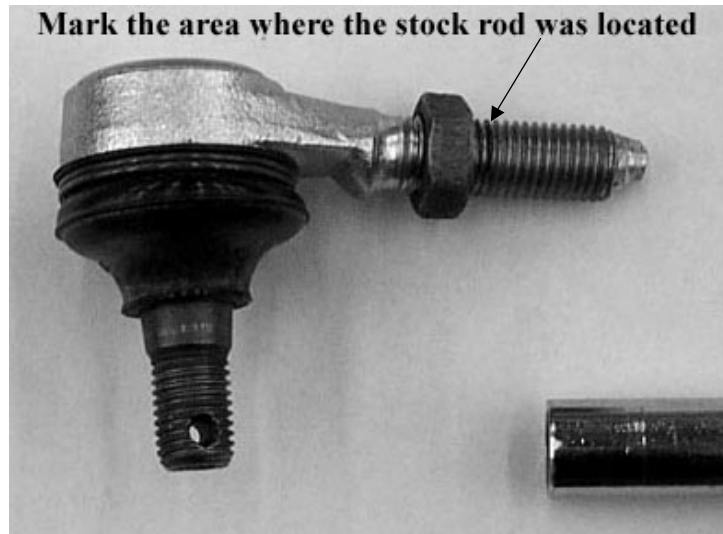


- 9) Repeat steps for opposite side.

10) Lower the jack and place the wheels back on the ATV.

### **Tie Rod and Ends**

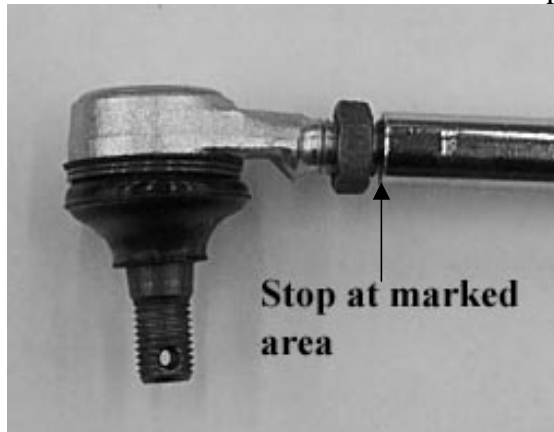
1. Included in this kit is two replacement tie rods.
2. Make sure to mark the where the stock tie rod ends on the tie rod end.



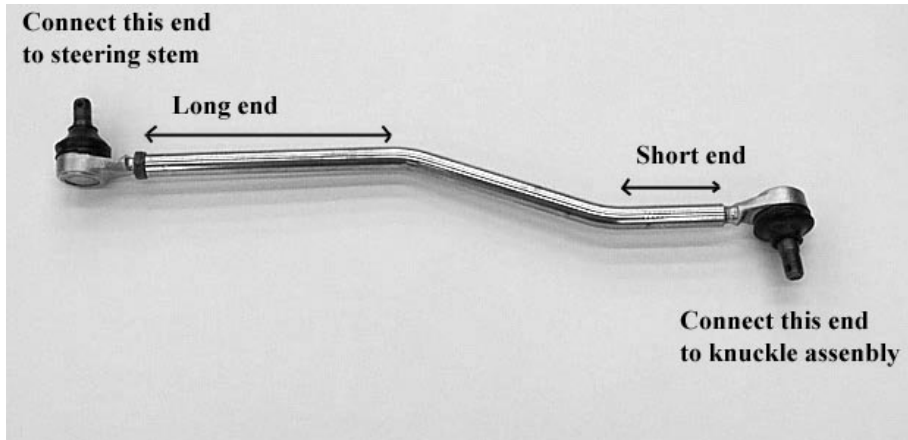
3. Once you have marked both tie rod ends remove the stock tie rod and ends from the ATV.
4. Remove the tie rod ends from the stock tie rod.
5. Place the stock tie rod ends onto the new tie rod provided in the kit.



6. Make sure that the ends are installed up to the marked area.

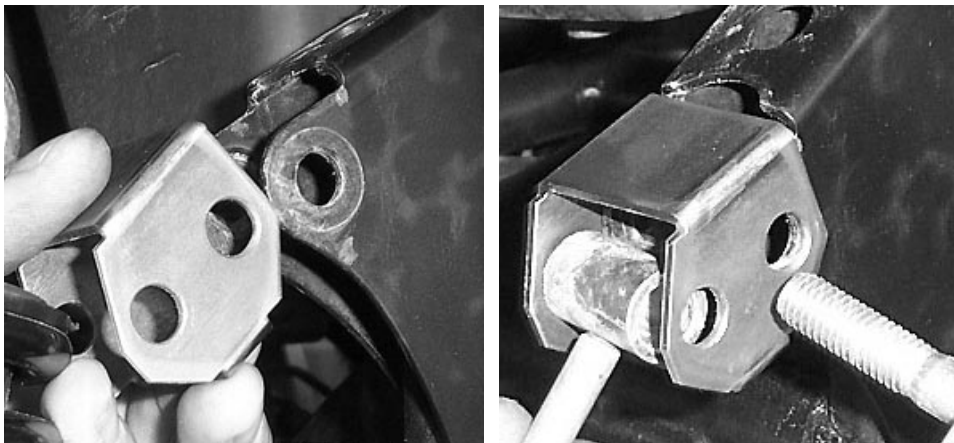


7. Install the new tie rod assembly onto the ATV. Attach the long end to the steering stem and the short end to the knuckle assembly.



### Rear Lift Installation

1. Place ATV transmission in park. Place jack under center of ATV rear end and lift until rear wheels clear the ground. Be careful to support ATV properly so that it is securely supported so that A-arms and shocks can droop to full extension.
2. Remove rear wheels.
3. Remove top of the rear shocks.
4. Place the Tube bracket on the rear shock mount tabs, while inserting the large spacer between the shock mount tabs.



5. Secure the bracket to the ATV using the 10mm x 60mm hex bolt and 10mm lock nut.



6. Next, insert the shock into the bottom of the tube bracket.
7. Insert the 10mm flat washer between the top of the shock and the inside of the tube bracket.



8. Fasten the shock to the rear tube bracket using the 10mm x 60mm hex bolt and 10mm lock nuts provided in the kit.



9. Repeat steps for opposite side.
10. Place all wheels back on the ATV; torque all lugs to factory specifications.