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## **Polaris 400 RANGER Models 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. It is designed for utility type, slow-speed use on relatively flat terrain in deep mud or snow. Although we have many thousands of satisfied lift kit customers and over 1,800 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 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.

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 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 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.

If this product 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.

### **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 a lift kit. If you install the lift kit, 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 a lift kit is installed. 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.

## Parts Diagram

**Front Spring Spacer (2ea)**



**Rear Spacer  
(2ea)**



**Rear Left (2ea) and Right (2ea) Lift Brackets**



**3/8 x 4 1/2 Hex Bolt (2ea)**



**5/16 Washer (4ea)**



**3/8 x 2 1/2 Hex bolt (2ea)**

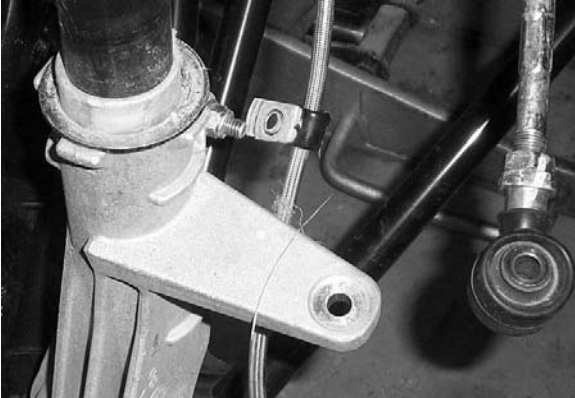


**3/8 Lock Nut (4ea)**



## 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 secure, but so that the A-arms and shocks can drop about 2". Remove the castle nut from each hub. This will reduce the chance of the CV pulling apart.
- 2) Remove front wheels.
- 3) Disconnect the tie rod and brake line from the strut assembly.



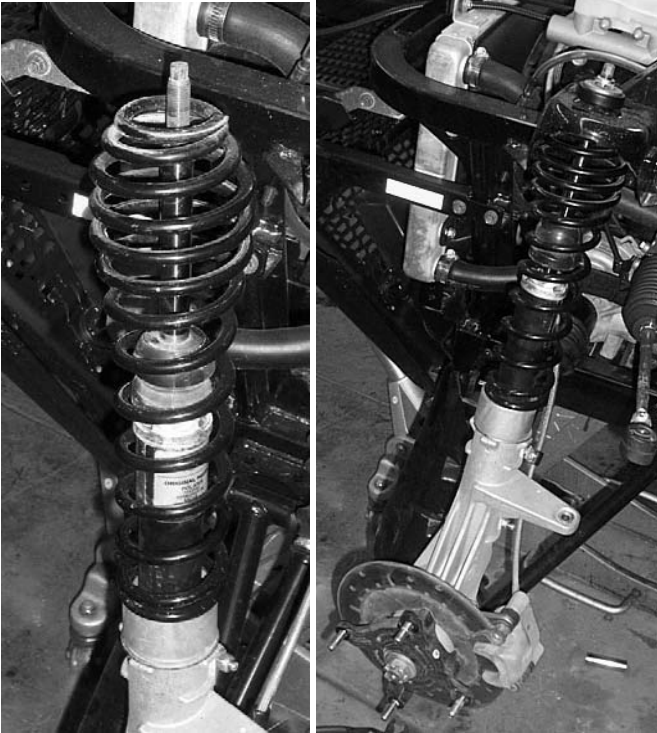
- 4) On top of the strut there is a nut. Take the top nut off and disconnect the strut from the frame.



- 5) Remove the OEM spring and place the lift spacer bracket onto the strut, then place the spring back onto the strut.



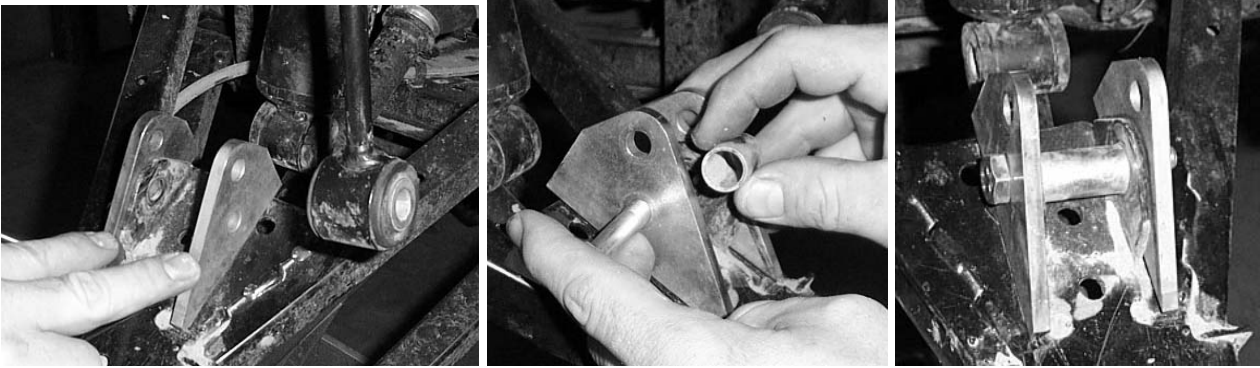
(Note: Make sure the bottom of the strut is resting on the top of spacer.)



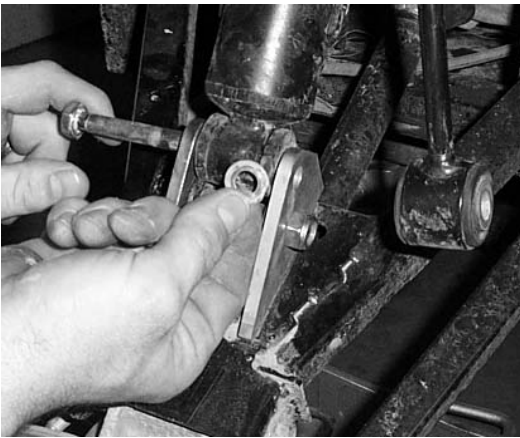
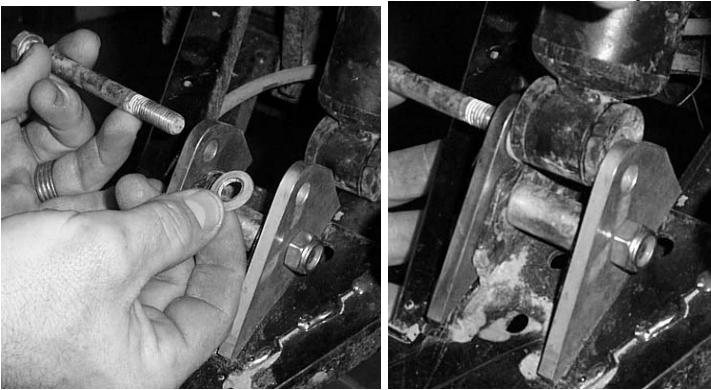
- 6) Connect the top of the strut to the frame by reinstalling the top nut on the top of the strut. Reattach the tie rod. (Be sure to reattach the brake line to the top bolt if you took it off.)
- 7) After all bolts have been tightened, re-install the castle nut on the hub.

## **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) Disconnect the sway bar arm and the bottom of the rear shocks.
- 4) Place the flat rear lift brackets (One Left & One Right) on either side of the lower shock mount and insert the spacer between the shock mount tabs. Secure the brackets and spacer using the 3/8 x 2 1/2 bolt and 3/8 lock nut.



- 5) Next, insert the bottom of the shock into the top of the brackets. Place one 10mm flat washers on either side of the shock. (Between the shock eyelet and bracket). Use a 3/8 x 4 1/2 bolt to secure the brackets, washers, and shock. Attach the sway bar bracket to the outside of the lift bracket.



- 6) Attaching the sway bar bracket. Secure everything with the 3/8 lock nut.



- 7) Repeat steps for opposite side.
- 8) Torque all lugs to factory specifications and lower ATV.