

Xtreme Products Inc.

Kit No. XTH425

420 Rancher AT with Independent Rear Suspension 09-up models

Read these instructions carefully. Xtreme recommends, a professional mechanic perform the installation. Care should be taken to follow all standard safety procedures.

A thorough inspection of the suspension should be made prior to performing the installation. Any worn, bent or broken parts should be replaced. After installation another inspection should be made, checking for loose components or missing hardware. Inspect, again after eight hours of operation.

To begin, check to make sure all components and necessary tools are on hand.

Components:

The kit consists of two bags containing Hardware and Brackets.

Bag #1 for the Front plus bracket

Bag #2 & #3 for the Rear plus brackets

A tube of LocTite is included in the hardware. This is to be used on the new shock stud in the rear.

Disassembly / Installation Procedure

1.)Begin by loosening the lug nuts on both front tires. Raise the unit, using a suitable lifting device or procedure, until the front tires are off the ground. If using a floor jack with stands, chock the rear wheels to prevent the unit from rolling. If using jack stands, make sure the stands are placed under the frame and not the body. Make sure the unit is **stable and secure**.

2.)Remove the tires / wheels.

NOTE: *Now is a good time to check the threads on the lug studs. Check for rust, pulled threads or other deterioration that could cause a stud/thread failure.*

READ THIS PRIOR TO BEGINNING INSTALLATION

NOTE: Look at the bracket and make sure the inner slotted hole goes on the Passenger or Right side. Make sure you have it installed correctly before tightening any bolts.

3.)Remove contents from Bag #1. Start with the front, on the drivers (left as you sit on the bike) side, remove the wheel and the top bolt holding the shock to the frame, loosen bottom bolt allowing you to pull the shock out and away from the upper mount. Repeat these steps on other side. Next slide the supplied cross-member along inside rear of factory channel. Using a 10x50mm bolt, going from rear to front, insert it through the factory channel and into the Xtreme cross-member with the supplied spacer inside the factory channel. Place the supplied link on the outside of factory channel once the bolt is installed through stock shock location. Do not tighten this bolt; just start the nut on the bolt. Repeat for other side.

REFER TO PHOTO #1 & 2

Photo #1 view from dr. side



Photo #2 view from dr. side



4.) Next place shock (make sure adjusters are at lowest setting) in the new position. Take a supplied 10x50mm bolt and inserting it from rear to front through the long x-member, shock, the small link then start a nut on the bolt. *Since these bikes are new the coils may not have settled enough for you to install the bolt without compressing the coil a small amount. You may have to use a pry bar to compress the spring enough to place bolt through brackets.* Repeat for other side. Now, after both sides have been installed, tighten all bolts

REFER TO PHOTO #3

Photo #3 view from dr. side



Rear Assembly

5.)Begin by raising the unit, using a suitable lifting device or procedure, until the rear of the bike is off the ground. If using a floor jack with stands, chock the front wheels to prevent the unit from rolling. If using jack stands, make sure the stands are placed under the frame and not the body.

6.)Beginning on either side, unbolt the sway bar link from the control arm on both sides.

7.)Working on either side at this point, remove the lower shock attachment bolt, also remove the lower control arm bolt where it attaches to the hub assembly. You may also need to loosen the upper control arm mounting bolt to allow easier movement.

8.)Place the shock on the stud on the supplied bracket. Install the supplied 14x150 bolt thru the shock mounting hole, rear to front, placing the supplied sleeve onto the bolt, install the supplied link then install the nuts. Make sure you use the supplied LocTite on the threads of the shock stud before installing and tightening the supplied jam nut. **Note placement of nuts. REFER TO PHOTO #4 & #5**

PHOTO #4 view from dr. side

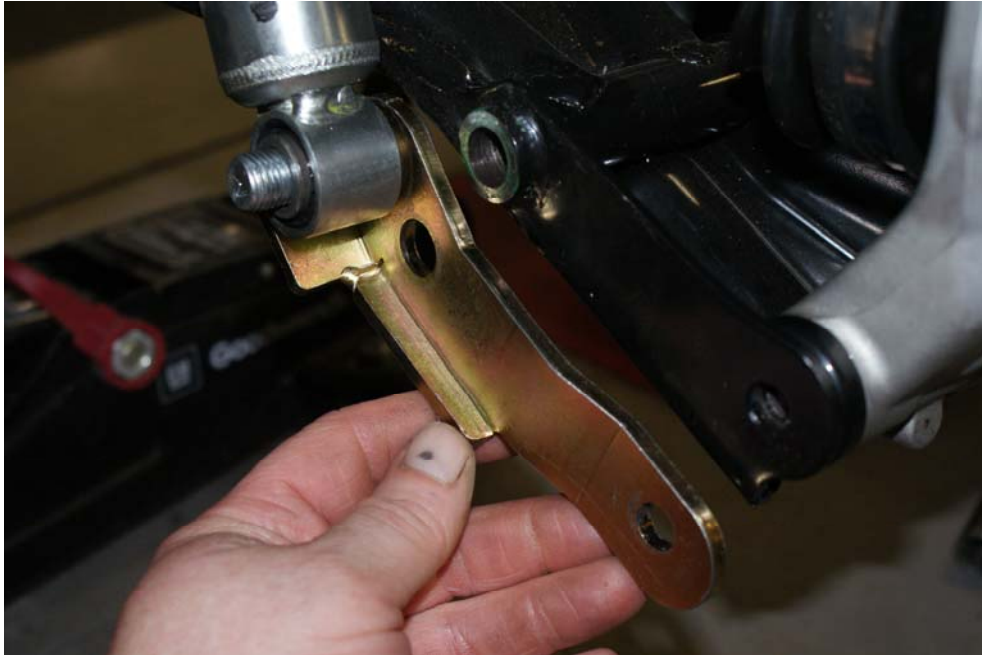


PHOTO #5 view from dr. side
Note placement of nuts.



9.) Rotate the bracket and install the supplied 10x115 mm bolt thru the lower control arm to hub assembly, with the bolt going from the back forward, and thru the supplied bracket. Loosely install the nut, but do not tighten at this time. **REFER TO PHOTO #6**

PHOTO #6 view from dr. side



10.) Repeat the above steps on the opposite side. Now you can tighten all hardware on both sides and re-attach the sway bar links.

11.) A good “Anti-Seize” compound should be applied to the lug studs and then the tire/wheel combination of your choice installed. Remove all jacks, jack stands and other devices used to lift and hold the bike. Check all brackets and bolts to be sure everything is tight.

WARRANTY: This kit will be warranted against defects in workmanship and materials **ONLY**. Problems from misuse, improper installation or abuse are not covered in the warranty. This warranty is good for one year (12 months) from date of purchase. All warranty claims **MUST** be accompanied by the original receipt or suitable proof of purchase date.