



2017 RZR 1000 Tie Rod Installation Instructions

WARNING! Please read and understand these instructions completely before installation to avoid possible injury to yourself or damage to the parts or your vehicle.

CAUTION! This installation should be performed by an authorized Polaris Dealer or a qualified Mechanic. **DEALER:** These Instructions Contain important information for future reference and must be given to the customer. Your RZR will require a professional alignment after installation is complete.

Tools Required for Tie Rod Installation; Automotive floor Jack, Wooden blocks (for jack spacing) 2 Automotive Jack Stands, Large Hammer, Rubber Mallet, Large Crescent Wrench (with at least a 2 ½" open jaw), 15mm Socket, 18mm Socket, 19mm Socket, 17mm open ended wrench, 18mm open ended wrench, 24mm open ended wrench, 30mm open end / or large crescent wrench, 5mm Allen Key, 14mm Allen Key Long (at least 3 ½" of exposed hex key.), High Strength Red Loctite, 1-2hrs for instal time.

INSTALLATION:

1. Find a clean level workspace for your RZR Place the vehicle in park and place blocks or wheel chocks behind the rear wheels to keep the UTV from rolling or moving during installation.
2. Next, remove lug nuts from front wheels, 19mm / 3/4 " Socket.



3. Once front wheels are removed you should have clear access to the Tie Rods.



4. Remove 18mm nut at the bottom of the outer tie rod shaft, Then tap upwards as seen in photo on the right, this should free the outer tie rod end from the spindle.
5. Now that the tie rod is hanging loose from the steering rack you can remove clamps on Steering rack boots and roll / pull the boot towards you to expose the steering rack shaft and inner tie rod joint.



6. Next you can loosen the inner tie rod joint from the steering rack, this step is difficult because the joint does not have a flat surface to secure a wrench. You will need to use a large crescent wrench or vise grips to gain as much clamping force on the joint as possible. Both side are standard Right Hand thread.
7. Now that both tie rods are completely removed from the UTV lay them out on a flat surface so you can adjust the rod ends on your new Kryptonite Tie Rods to match the length of the take off tie rods. Be careful to match the length from the flat surface of your new clevis style rack end joint to the eyelet of the rod end closely with the stock tie rod. This step will help reduce additional alignment adjustment time once the vehicle is back on the ground.



8. Sliding the rack boot over the new tie rod body at this step as pictured above helps later during installation. **Be sure to apply loctite to clevis bolts before threading into rack.**

9. Once the lengths of the tie rods have been matched finger tighten the rod end jam nuts to keep your adjustments during instal, but you will most likely need further adjustment once the vehicle is back on the ground.
10. Now is time to instal the new rack end clevis into the steering rack. Thread your loctited bolt through the clevis into the steering rack using a long 14mm allen hex key socket. **WARNING THE SLOT ON THE CLEVIS MUST BE IN THE CORRECT POSITION. IT MUST BE VERTICAL TO ALLOW HEIM TO MOVE UP AND DOWN AS THE SUSPENSION CYCLES. IF THE SLOT IS HORIZONTAL THE HEIM WILL DAMAGE THE CLEVIS AND THE STEERING RACK!!**



11. Once the rack end joint clevis is firmly installed into the steering rack vertically, you can now insert your new inside rod end into the clevis no misalignment spacers needed. Slide the clevis shoulder bolt through front to back and thread on the Zinc plate nylock nut. Tighten firmly 18mm nut, and bolt head is 5mm allen key.



12. Now you can insert the outside rod end into the tapered spindle opening using the correct tapered misalignment spacer and the supplied grade 8 bolt and hardware to slide down through the spindle opening. Note the spacer alignment 17mm bolt head, flat washer, high misalignment spacer, rod end, tapered misalignment spacer, flat washer then 15mm Nylock nut. Notice in the photo the jam nut is still loose and threads are exposed on the rod end to allow for easy adjustment of alignment once UTV is on the ground.
13. Once all of these steps have been completed on both sides of the RZR you can reinstall the wheels, remove the jackstands and lower the RZR on to the ground slowly. To be sure that the front suspension is settled, roll or drive the RZR back and forth 10 to 20 feet trying to not to turn the wheel too much. When you park make sure the steering wheel is center.
14. Make all the adjustment needed to squared up the front end of your rZR. If you took the time earlier in the instal to replicate the measurements off of your Stock tie rods. Minimal adjustments will be needed at this step.

15. If you are now confident in your alignment adjustments it is time to tighten up the jam nuts on both sides of your new rod ends, snug firmly against the tie rod body.
16. **WARNING MAKE SURE TO CHECK THESE JAM NUTS BEFORE EACH RIDE TO ASSURE THEY ARE TIGHT AND HAVE NOT COME LOOSE.**
17. Now is the time to slide the Steering rack boots back over the the rack to keep debris out of the steering rack and prevent premature damage. Use Zip ties to secure the boot to the rack. Modifying the boot by cutting the rod side opening larger may be necessary. Make sure the boot is tied shut on both ends best as possible. This will ensure Steering rack Longevity.
18. Make sure to recheck all nuts and bolts and make sure they are on correctly and tight.
19. Enjoy your new Tie rods from Kryptonite. Please be sure to check your parts frequently to ensure nothing has come loose. It is important to check and adjust tie rod jam nuts before every ride.



If you have any problems with your products. Please visit our website for more information, and sure sure to register you products for complete warranty coverage. WWW.KRYPTONITEPRODUCTS.COM