

KRYPTONITE

HARD CORE STEERING ★ SUSPENSION PRODUCTS

“STAGE 2” UTV 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.

- TOOLS REQUIRED:**
- AUTOMOTIVE JACK
 - 5MM ALLEN KEY
 - 2 JACK STANDS
 - 14MM LONG ALLEN KEY (3.5")
 - LARGE HAMMER/RUBBER MALLET
 - RED LOCTITE
 - LARGE CRESCENT WRENCH (2.5" JAW)
 - LARGE CHANNEL LOCKS
 - 15MM, 18MM, 19MM SOCKETS / 17MM, 18MM, 24MM, 30MM OPEN ENDED WRENCHES

1. Find a clean level workspace for your UTV, 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. (Figure1)
2. Lift the front of your vehicle and support with jack stands, next remove wheels to gain easy access to tie rod ends. (Figure 2)
3. Next using an 18mm socket remove the nut at the bottom of the outer tie rod end, then tap the tie rod end upwards. This should free the outer end from the spindle. (Figure3)



Figure 1

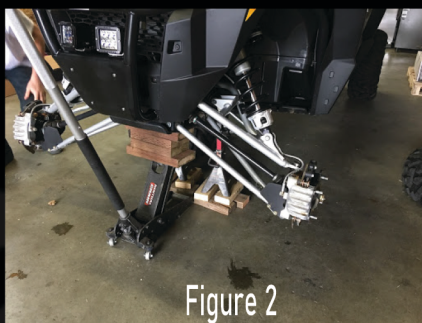


Figure 2



Figure 3

4. Now that the tie rod is hanging loose from the steering rack you can remove the camps on the dust boots and roll/pull them toward you to expose the steering rack shaft and inner tie rod joint.
5. Using large channel locks, you can now loosen the inner joint from the steering rack. (Figure 4) These are standard Right Hand thread. Once removed, lay both tie rods on a flat surface and measure from the eyelet to the flat end of the inner joint. record these measurements here.

DRIVER:

PASSENGER:



Figure 4



Figure 5



Figure 6

6. Once you have both tie rods out of the car, carefully remove the dust boots trying not to tear them. Once they are removed you will install them on your new kryptonite tie rods. Remove the heim from the clevis and remove the lock nut. You will then slide the heim into the boot, soap or grease will make this process easier. (Figure 5 & 6)

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7. Reassemble your tie rods, do your best to match the take off tie rod measurements. Once your new tie rods have been matched, finger tighten the jam nuts to keep the adjustments during install. Now it's time to install the clevis onto the steering rack shaft.



Figure 7

8. (Apply red Loctite to the allen bolts before installing) Be sure to clock the clevis to allow for smooth vertical articulation. (Figure 7) Firmly tighten these using a long 14mm allen hex key.

9. Next you'll attach the tie rod body and heim to the clevis. (Figure 8) Tighten the threw bolt securing the heim to the clevis. **Double check all fasteners are tight.** Push the boot back over the inner joint and secure it to the steering rack.



Figure 8

10. Now you you can set the outer tie rod ends into the spindle. (Figure 9) **Double check that all fasteners are tight.** Reinstall the wheels and tires, remove the jack stands and slowly lower the vehicle back onto the ground. Ensure the suspension is settled by rolling/driving the vehicle forward and backward 10 to 20 feet. When you park the vehicle make sure the steering wheel is center.



Figure 9

11. Next you will make the adjustments to the to square up the front end of your UTV. If you've matched the measurements recorded from the take off tie rods, minimal adjustments will be needed in this step.

12. Once you're confident in your alignment it's time to tighten the jam nuts on all 4 ends, inner & outer of both driver side and passenger side. Snug firmly against tie rod body.

WARNING! MAKE SURE TO CHECK THESE JAM NUTS BEFORE EACH RIDE TO ASSURE THEY ARE TIGHT AND HAVE NOT COME LOOSE

(Kryptonite No Fine Print Lifetime warranty) - Kryptonite steering and suspension components are warranted for life to there original purchasers. This warranty is against any manufacture defects, premature wear or breakage. Race it, jump it, off road it, sled pull it, wreck it, lift it, level it, I think you get it? We don't care. If you can break it we will replace it. Kryptonite Products must be purchased from an authorized dealer.

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