



Inner Tie Rod Joint

Polaris RZR/ACE/Ranger, Can-am Commander | ALL YEARS

Part #: 5601902

Rev. 080619

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SAFETY WARNING

RT Pro UTV recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

WHY BUY RT PRO UTV

Great off-road driving and racing comes with having the most rugged and durable machine in the pack.

RT Pro UTV performance enhancing products will make your off-road machine stronger, tougher and safer so you can have more fun and less breakdowns.

For over a decade, RT Pro UTV staff have been taking brand new UTVs and driving them to their breaking point. When they bend, break or falter, we take them back to shop and create a fix that stops the problem from happening again.

There is no other company in the industry that puts more thought, engineering and design innovation into their products than we do. Our team is made up of off-road racers, mechanical engineers and talented fabricators who live and breathe all things motorsport. Above all, we share a passion for innovation, quality construction and getting things right.

All of our products are designed for assembly by weekend warriors with normal garage tools and the occasional spot-weld. Assembly directions are complete and thorough.

Remember, when you buy a RT Pro UTV product for your UTV, all of the parts have been designed and manufactured in the United States with U.S. steel and other high quality American components.



RTP5601902		
Part #	Description	QTY
A2001	Tie Rod Inner Joint	1

FITMENT NOTES

M14-1.5 Steering Rack Thread

SPECIAL TOOLS

None

INSTALLATION TIME

Approximately 2 hours
MEDIUM Difficulty

INSTALLATION INSTRUCTIONS

1. Park vehicle on clean level surface, ensure the vehicle is shifted into park.
2. Raise the front of the vehicle so the tires are off the ground, secure with jackstands. Remove tires.
3. Remove outer tie rod hardware and detach tie rod from outer knuckle. Retain Hardware.
4. Remove inner tie rod boot straps and slide boot up onto the tie rod.
5. Using a 1-5/16 open ended wrench, loosen inner tie rod joint by turning it counterclockwise. Once the inner joint is loose, thread all the way out and remove tie rod assembly from vehicle.
6. Note thread exposure of inner ball joint in relation to the tie rod, make note of this measurement as you will want to match the thread engagement on the replacement joint.
7. Break inner tie rod jam nut from inner tie rod joint. Remove inner tie rod joint.
8. Thread new joint into tie rod and match the previously noted thread engagement. Keep jam nut loose until after alignment.

Note: Ensure that there is at least 9/16" thread engagement into the tie rod.

9. Apply red locktite to inner tie rod joint threads and thread joint into steering rack, Tighten to approximately 55ft-lbs.
10. Using a flat headed screw driver and small hammer, rotate the inner snap ring so that the tabs are toward the rear of the vehicle (See Figure 1)

Figure 1



11. Install outer joint onto knuckle and tighten hardware to required specifications.

ALIGNMENT

12. Before driving, the alignment of the steering **MUST** be centered and we recommend the toe-in should be set at 1/8" inwards overall. You may also set it at 1/8" toe out but we've found toe-in to be the most effective for steering and handling.
13. We recommend using toe plates for the best results but the alignment can be done by measuring from the inner lip of the wheel to the lower tube of the chassis on which the lower A-arms mount. Center the steering first then adjust and measure until the desired toe setting is reached.
14. Once the alignment is set be sure to tighten the jam nuts on the tie rods.
15. To tighten the inner joint jam nut simply use two wrenches. One holds the stud and one tightens the jam nut. See Figure 2

Figure 2



16. Install boots back onto steering rack onto neck on inner tie rod joint.

THANK YOU FOR YOUR BUSINESS!

For questions or additional information feel free to call and ask for tech support or email us through our website at: rtproutv.com/contact



Show Us Your Ride!

Get a photo of your RT Pro UTV equipped vehicle and send them in for a chance to be featured in our customer gallery!