

**BY RIDERS
FOR RIDERS**

INSTALL INSTRUCTIONS



WHO WE ARE—PERFORMANCE AND DESIGN



FLEX ROCK manufactures high performance aftermarket UTV products. We have been developing our products since 2018, and our goal is to combine form and function to result in the highest performing, best looking products available.



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Polaris XP S Tie Rod Installation

Instructions

TR-10001-KIT

Tools Needed:

- Ratchet (possibly ½” drive breaker bar)
- 18mm Socket, 6mm Hex Socket, 14mm Hex Socket
- 18mm, 6mm Allen, Adjustable, and Pipe Wrench
- Hammer
- Jack/Lift
- 2 Jackstands

- 1.** Chock both Rear tires and raise the Front end of machine using a jack. If using a lift place supports under the machine frame front and rear. Raise the machine to the desired height and then jump to step 3.
- 2.** Place one jack stand under the frame on each side of the machine and lower machine on to the jack stands. Do not place the jacks under the control arms. Verify that the tires are off the ground.
- 3.** Remove front tires and wheels.



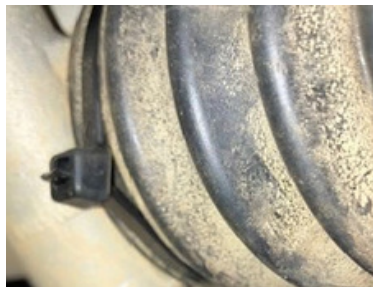
4. Remove Driver Side outer tie rod nut. (18mm Socket)



5. Separate outer tie rod joint from Knuckle by hitting the knuckle with a hammer just below the joint.



6. Remove boot inner boot zip tie. (Steering rack side)



- 7. Loosen outer tie rod boot clamp and pull back the tie rod boot to gain access to the inner tie rod joint.**



- 8. Loosen inner tie rod joint from steering rack. This joint has Loctite on it from the factory and may require a small amount of heat to break free. Use as little heat as possible. (Adjustable or pipe wrench)**
- 9. Mark inner jam nut location on the threads. Remove inner rod end and jam nut. Install factory boot and small clamp onto tie rod center section.**
- 10. Pull boot back and re-install inner rod end and jam nut.**
- 11. Install New Flex Rock inner tie rod clevis. Leave this as vertical as possible. Threaded side needs to face the back of the machine Use the provided Loctite on this bolt. (M14 Hex Socket)**



12. Install tie rod into clevis. (M6 Allen socket/wrench)



13. Install outer tie rod to knuckle. (18mm socket and wrench)



14. REPEAT Steps 4-12 for the Passenger side.



- 15.** Lower machine to the ground. Drive the machine around some to settle suspension.
- 16.** Park machine on a smooth flat surface.
- 17.** Measure the distance from the outside of the tire on the front and rear of the tires. This should be done as close to the center of the tires as possible.
- 18.** Subtract the rear measurement from the front measurement. It should be $+1/8-1/4$ " (out).
- 19.** IF adjustments need to be made, loosen both rod end jam nuts on each side and turn tie rod center section to adjust the toe. It is recommended to adjust this equally on both sides, $1/2$ turn at a time until the spec above is reached.
- 20.** Tighten all 4 jam nuts.
- 21.** Use provided zip ties to secure tie rod boot in place.

