

**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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SEGWAY VILLAIN Tie Rod Installation

Instructions

TR-10002-KIT

Tools Needed:

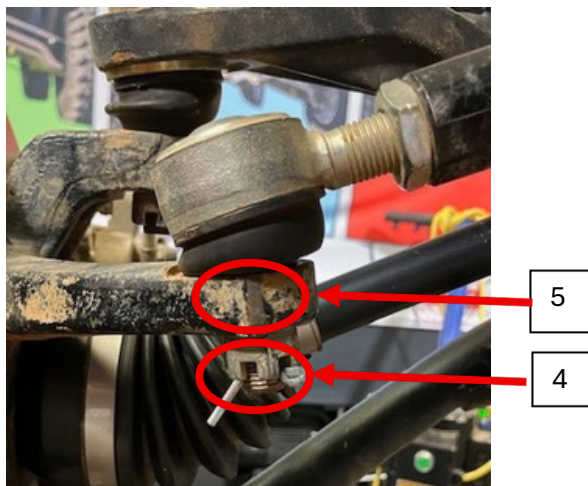
- Ratchet
- 18mm Socket
- 18mm wrench
- Hammer
- Punch
- 2 Jackstands

- 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.



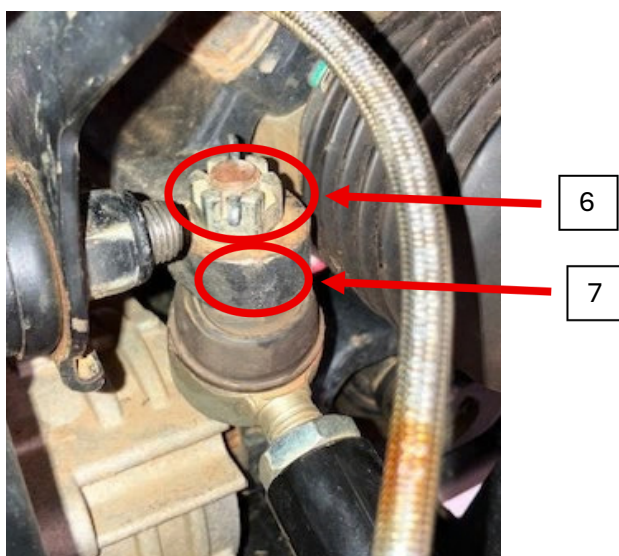
4. Remove Driver Side outer tie rod cotter pin and nut (18mm Socket)

5. Separate outer tie rod joint from Knuckle by hitting the knuckle with a hammer just below the joint. Do not hit the rod end.



6. Remove Driver Side inner tie rod cotter pin and nut. (18mm Socket)

7. Remove inner tie rod from steering rack by using a hammer and apunch to hit the steering rack knuckle. Do not hit the rod end.



- 8. Install Inner tie rod to steering knuckle. (18mm socket and wrench)**



- 9. Install outer tie rod to knuckle. (18mm socket and wrench)**



- 10. REPEAT Steps 4-12 for the Passenger side.**
- 11. Lower machine to the ground. Drive the machine around some to settle suspension.**
- 12. Park machine on a smooth flat surface.**
- 13. 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.**



- 14.** Subtract the rear measurement from the front measurement. It should be $+1/8-1/4$ " (out).
- 15.** 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, $\frac{1}{2}$ turn at a time until the spec above is reached.
- 16.** Tighten all 4 jam nuts.

