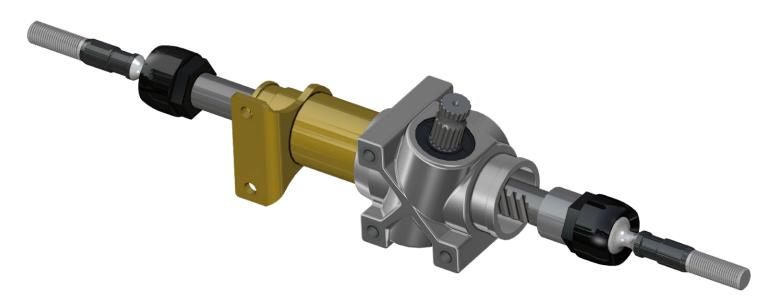
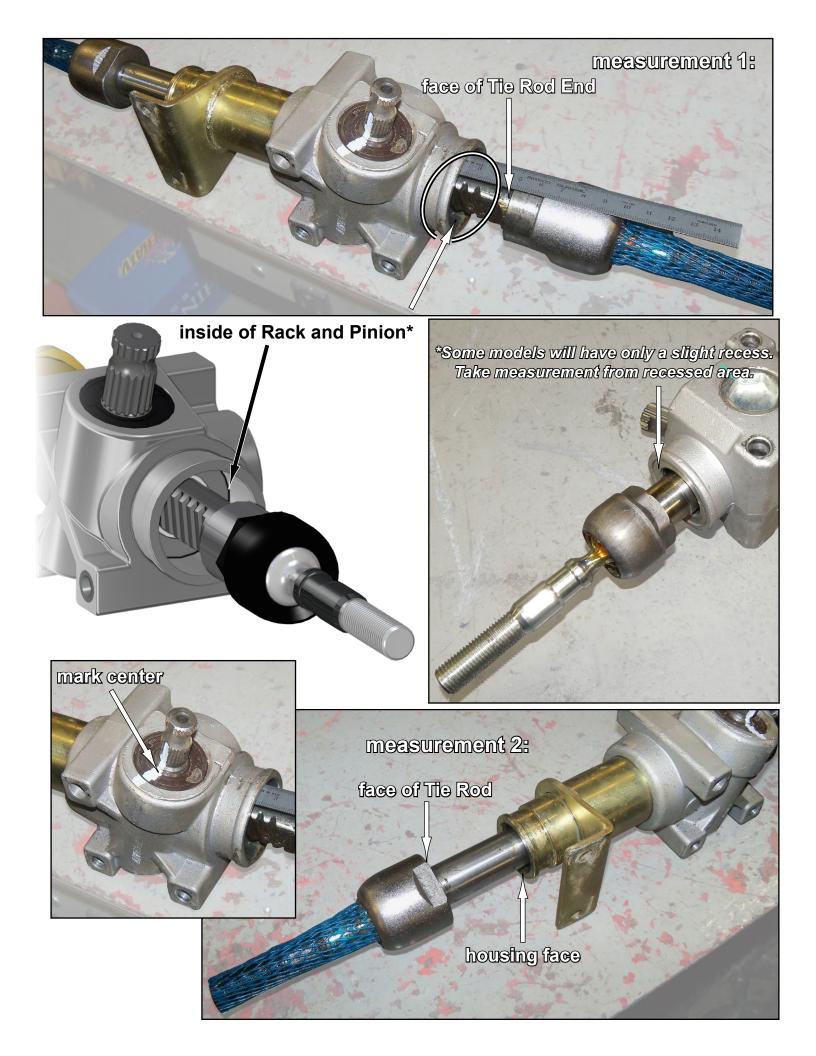
Verify, and adjust if necessary, centering of Rack and Pinion before installing.



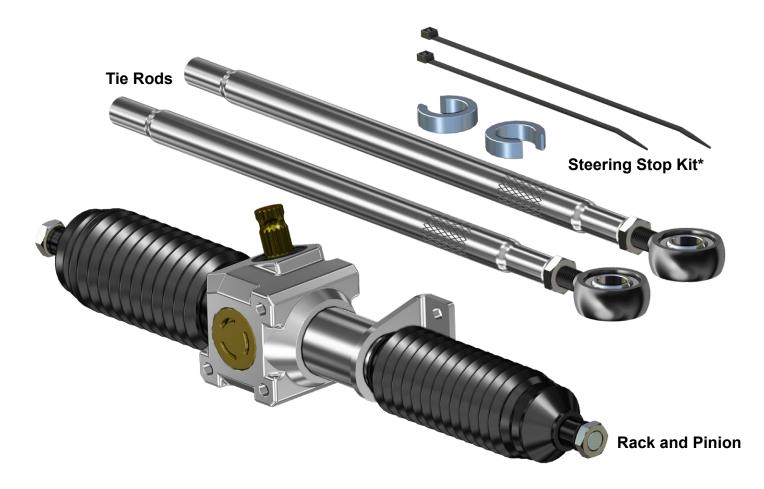
- 1. Measure distance from inside of Rack and Pinion to face of Tie Rod End.
- 2. Measure distance from face of Tie Rod End to housing face.
- 3. Adjust Rack and Pinion until measurements are equal.
- Mark center.

(illustrations on following page)





### INSTALLATION INSTRUCTIONS Heavy Duty Rack and Pinion: for Polaris Ranger<sup>®</sup> 900/900XP



\*install if machine is equipped with SuperATV Offset A-Arms, 6" or 8" Portal Gear Lifts, or 6" Lift Kit

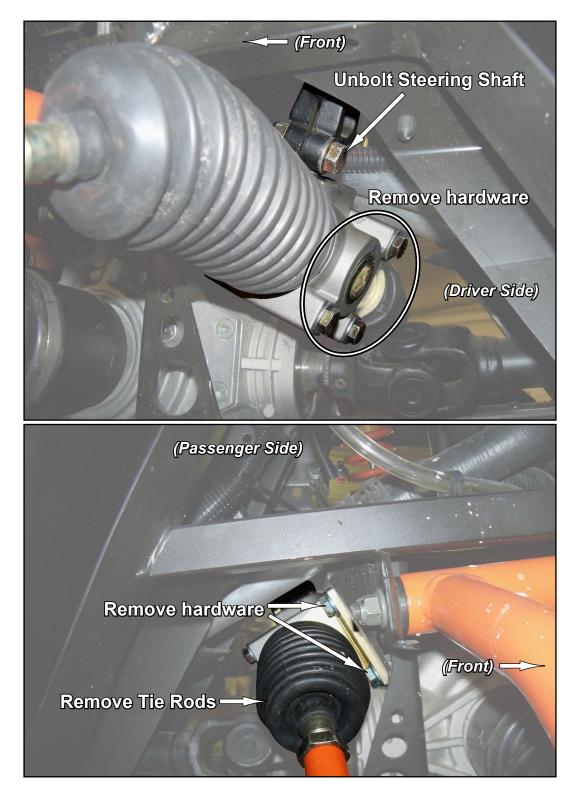


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IN-HDRP-P-RAN-09XP-002 / IN-HDRP-P-RAN900-002 / IN-HDRP-P-RAN900HL 3/31/2020

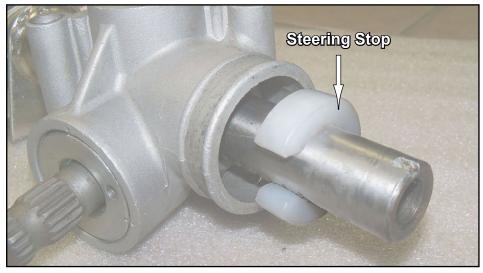
#### **<u>Removal</u>**: Keep all hardware and components removed from machine.

- 1. Raise front of machine off ground, secure with jack stands and remove Wheels.
- 2. Remove Tie Rods and disconnect Steering Shaft from Rack and Pinion.
- 3. Remove Rack and Pinion.

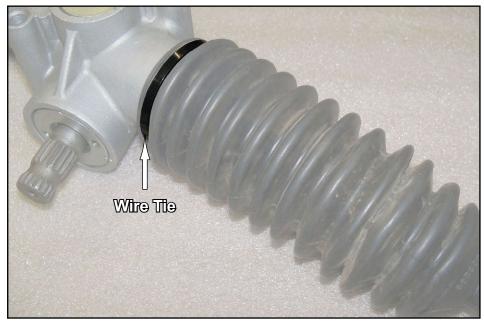


# Steering Stops Installation:

- Unclamp and slide Boot away from Rack and Pinion.
- Install Steering Stop onto Shaft.



- Resecure Boot with Wire Tie.

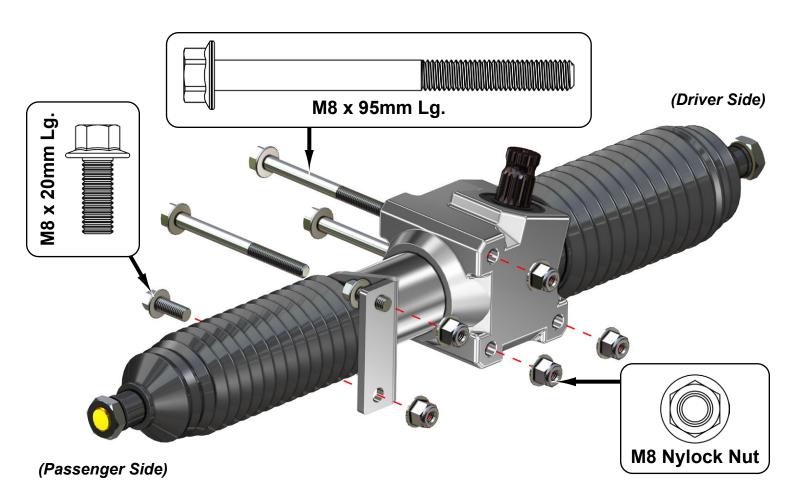


- Repeat steps for opposite Shaft.

**Rack and Pinion Installation:** Do not tighten hardware completely unless noted. 1. Reinstall Steering Shaft to Rack and Pinion with stock hardware.

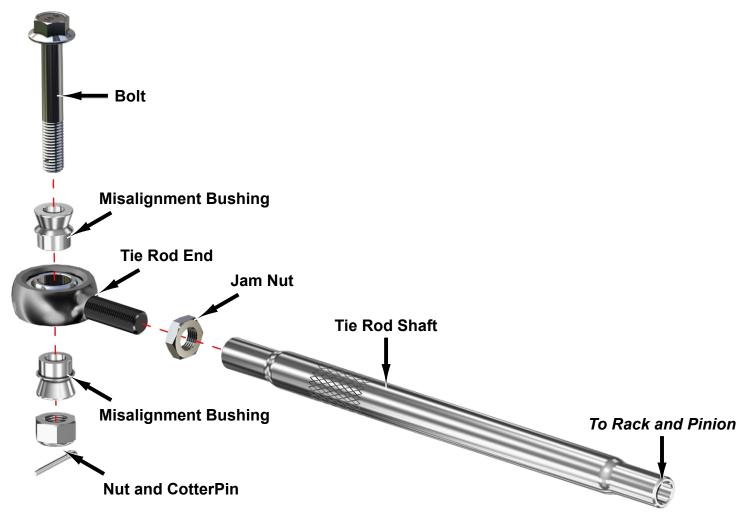
- 2. Install Rack and Pinion to machine with hardware shown. Tighten hardware completely.
- 3. Proceed to "Tie Rod Installation".
- 4. Reinstall necessary components.





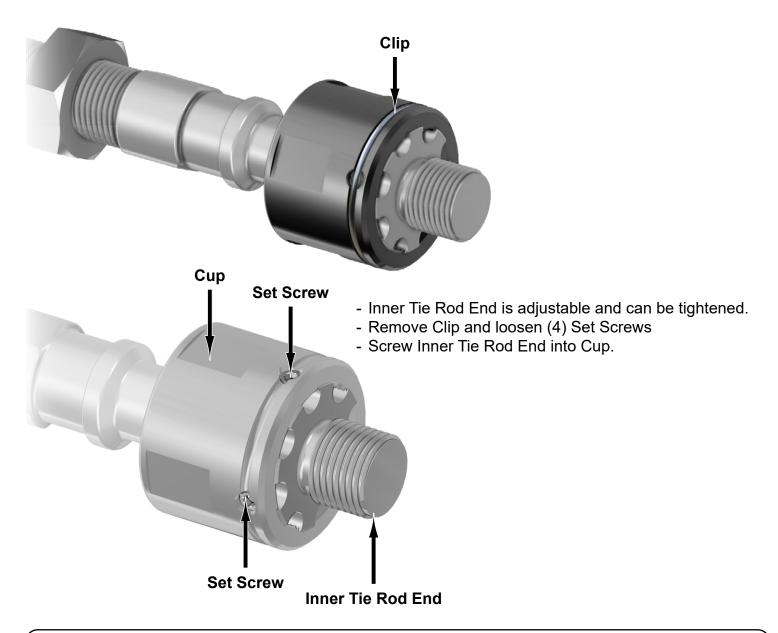
## Tie Rod Installation:

- Install Tie Rod Shafts to Ball and Sockets on Rack and Pinion.
- Install Tie Rod Ends to Tie Rod Shafts.
- Secure Tie Rod Ends to same location as stock on Spindles with hardware shown.



- Reinstall necessary components.
- Before initial ride, set toe-in of vehicle.
- After initial ride check to see that hardware remained tight.

#### HDRP-P-RAN-09XP-002, HDRP-P-RAN900-002, and HDRP-P-RAN900HL only



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