FLEX ROCK UTV PERFORMANCE

OVERBUILT TO OUTLAST

WWW.FLEXROCK.COM

BY RIDERS
FOR RIDERS

INSTALL INSTRUCTIONS

MANUFACTURER WARRANTY

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.

WARRANTY LIFETIME WARRANTY

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Segway Villain ULTRA HIGH CLEARANCE RADIUS ROD KIT

Installation Instructions

RRR-10021-KIT

Tools Needed:

- Ratchet (possibly ½” drive breaker bar) or impact
- 13mm,18mm socket
- 13mm,15mm,18mm, 1-1/8” and adjustable wrenches
- Jack/Lift
- 2 Jackstands

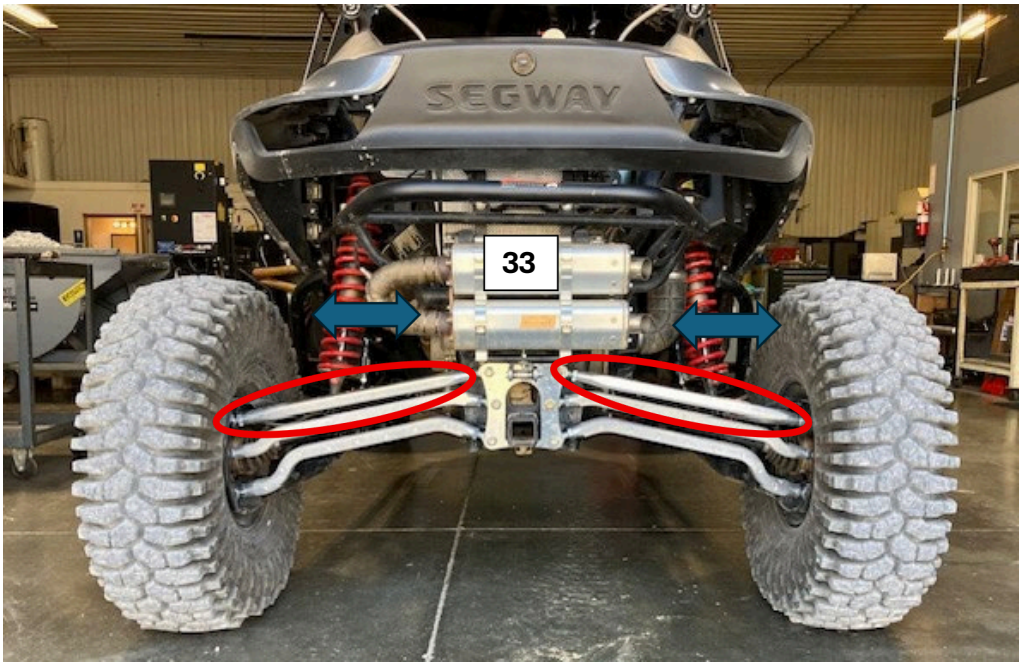
1. Chock both front tires and raise the back end of machine using a jack. If using a lift place supports under the machine frame front and rear. Raise the machine to the desired height and then jump to step 3.
2. Place one jack stand under the frame on each side of the machine and lower machine onto the jack stands. Verify that the tires are off the ground.
3. Remove rear tires and wheels.
4. Remove muffler support from center plate.(13mm socket and wrench)

5. Remove M12 Nuts from center plate bolts. (18mm socket)
6. On the driver side trailing arm, remove the 12mm nut from the top knuckle bolt. Take the bolt out far enough to get to the top radius rod 12mm nut but do not remove completely.
7. On the driver side trailing arm, remove the 12mm nut from the Lower knuckle bolt. Take the bolt out far enough to get to the lower radius rod 12mm nut but do notremove completely.
8. Remove knuckle side bolt from the top radius rod. (18mm socket/wrench)
9. Remove the top radius rod bolt from the center plate.
10. Remove the driver side top radius rod.
11. Remove the toe link (center radius rod) bolt from the driver side knuckle. (18mm Socket)
12. Remove the toe link bolt from the center plate.
13. Remove the toe link radius rod.
14. Remove knuckle side bolt from the lower radius rod onthe drivers side. (18mm socket/wrench)
15. Remove the lower radius rod bolt from the center plate.
16. Remove the lower radius rod.
17. Repeat Steps 5-14 for the passenger side.
18. Install new driver side toe link first. Start with the 12mm bolt and nut on the knuckle. Re-use factory

hardware. Do not tighten completely. (18mm socket and wrench).

19. Install Driver side toe link bolt through the new center plate and machine frame. Use provided hardware. Thread the 12mm nut on but do not tighten completely. (18mm socket and wrench).
20. Install new driver side lower radius Start with the 12mm bolt and nut on the knuckle. Re-use factory hardware. Do not tighten completely. (18mm socket and wrench).
21. Install Driver side lower radius rod bolt through the new center plate and machine frame. Use provided hardware. Thread the 12mm nut on but do not tighten completely. (18mm socket and wrench).
22. Install new driver upper lower radius Start with the 12mm bolt and nut on the knuckle. Re-use factory hardware. Do not tighten completely. (18mm socket and wrench).
23. Install Driver side upper radius rod bolt through the new center plate and machine frame. Use provided hardware. Thread the 12mm nut on but do not tighten completely. (18mm socket and wrench).
24. Repeat steps 17-22 for the passenger side
25. Tighten all 6 radius rod bolts on the knuckles first. Torque to 90ft-lbs. (18mm socket and wrench)
26. Tighten all 6 radius rod bolts in the center plate. Torque to 90ft-lbs. (18mm socket and wrench)

27. Tighten Upper and Lower knuckle bolts on driver side. Torque to 90ft-lbs. (18mm socket and wrench)
28. Tighten Upper and Lower knuckle bolts on passenger side. Torque to 90ft-lbs. (18mm socket and wrench)
29. Reinstall wheel and tires.
30. Lower machine to the ground. It is recommended to drive the machine around a little to settle the suspension.
31. Park machine on a hard flat surface. Concrete is recommended.
32. Verify Rear tire camber on each tire. You can download apps to your phone to do this.
33. Adjust Drive and Passenger Side Top radius rod to set desired tire camber. (+0.5 to +1 degree is recommended)



34. Use a 1-1/8” wrench to tighten all jam nuts on the upper radius rods. Hold the radius rod with an adjustable wrench as needed. Blue Loctite is also recommended on the rod end threads for the jam nut.
35. Camber should be checked again after driving for a short distance to allow the suspension to be settled. Re-adjust tire camber as needed using the top radius rods. Small Adjustments are recommended. (1/2 turns at a time) (+0.5 to +1 degree is recommended Tighten Upper and Lower knuckle bolts on driver side. Torque to 90ft-lbs. (18mm socket and wrench)

FLEX ROCK PERFORMANCE Lifetime Manufacturer Warranty

Here at Flex Rock we back the quality and workmanship of our products with a Lifetime Manufacturer Warranty. That means if you break one of our manufactured parts during the lifetime of the product, we will replace it. – Extending only to the original purchaser.
Email for Warranty form: *orders@flexrockperformance.com*
****Your product(s) must be purchased either directly, or through one of our authorized dealers.**

• Proof of purchase is required for all Warranty claims, NO EXCEPTIONS.
• The lifetime warranty does not cover or include wear parts such as (Rod Ends, Hardware, Factory Tie rod ends, spindle ends, misalignment bushings, UHMW bushings, loose threads or stripping of threads, etc.)
FR is only liable for replacing the purchased FR products that are covered under our lifetime manufacturer warranty. FR is not liable for any other damages that may have occurred to other non- FR products.
• The lifetime manufacturer warranty does not cover cosmetic changes. Meaning, if a cosmetic change has been made to our product since the purchase, we are not responsible for replacing the other parts to match. You could receive a replacement that looks slightly different than the original, as we are always trying to improve our products.
• If your machine has been deemed totaled by your insurance company with our components on it, then your warranty will be voided.
• If you are participating in a racing or rock bouncing application your lifetime manufacturer warranty will be VOID- NO EXCEPTIONS.
• It is the customers responsibility to ship the defective product back to FR at their expense. FR cannot be liable for lost in-bound packages, please be sure to keep tracking info for any packages you ship in to us.
• Purchaser must send back damaged product; keep all hardware we do not send new hardware.
• Upon receiving warranty products in, FR will inspect the product for failure and process your warranty claim through for a replacement. There is a $25 non-refundable shipping charge for us to ship your replacement product back to you. Most warranties ship out within 3-5 business days (M-T). Warranties do take priority, but cannot start processing until damaged product(s) arrives with completed warranty form and the $25 shipping fee is paid for by customer.

Filing A Warranty Claim
To file for a warranty replacement, email us at orders@flexrockperformance and request the warranty form. That will need to be printed off, filled out and included in the box with your damaged product. The customer is responsible for all shipping charges. We do not offer refunds for warranty claims, only replacements.