



## Tusk Mohawk Extreme Duty / High Clearance Radius Rods

### Lower Radius Rod Install Instructions

#### Contents/Hardware List:

- Lower Radius Rod Installation Instructions
- (2) Lower Radius Rods w/ pre-installed Chromoly Rodends, Jam-nuts, Spherical Bearings, and Snap-rings.
- (1) 10mm Hardware Kit **OR** (1) 12mm Hardware Kit Hardware Kits include (6) Narrow Spacers, (2) Wide Spacers, and (4) O-rings.

**Safety Instructions:** For your own safety and the safety of others, we recommend that you read and understand all instructions start to finish before installing these components. If you are uncomfortable in performing any of the steps or lack the proper tools/equipment, have a qualified mechanic complete the install.

**Congratulations on the purchase of your Tusk Mohawk Extreme Duty High-Clearance Lower Radius Rods!** For ease of installation, the Chromoly Rodends, Jam-nuts, and Spherical Bearings have been pre-installed and adjusted to OEM dimensions. It is recommended to periodically check the Rodend's Jam-nut, making sure it remains tight.

1. Jack-up and support the vehicle's chassis so the rear suspension can hang freely (**Fig. 1**). Remove rear wheels/tires. **NOTE: Both Lower Radius Rods can be removed and replaced simultaneously if desired. However, these instructions will focus only on the driver-side, start-to-finish. Simply apply the same steps for the passenger-side Lower Radius Rod, making sure that any hardware removed and replaced are torqued to the OEM specs given.**
2. Starting at the outer end of the driver-side Lower Radius Rod, loosen and remove the bolt and nut (**Fig. 2**). **NOTE: Lifting upward on the brake rotor or caliper slightly will take the pressure off the radius rod and bolt for easy removal.** With the bolt removed, the end of the Radius Rod can be lowered. At the Radius Rod center support plate, loosen and remove the bolt and nut shown (**Fig. 3**). You can now remove the Radius Rod.



Fig. 1



Fig. 2

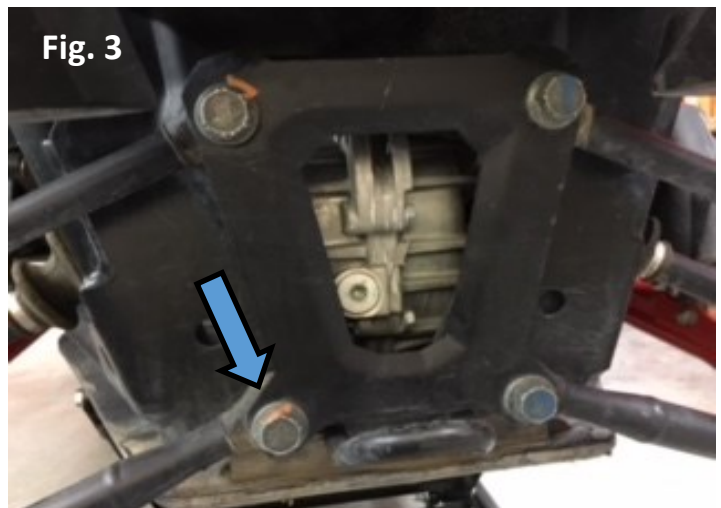


Fig. 3

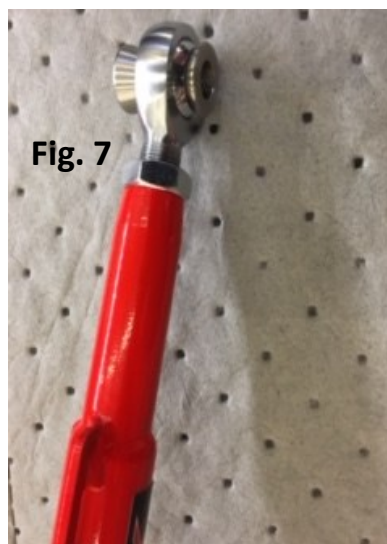
- Before proceeding with the Tusk Lower Radius Rod install, a test-fit is needed at the outer mounting location (Fig. 4). **NOTE: Due to slight differences in width on each machine and mounting surfaces that can become easily scratched or marred, filing these surfaces by hand may be necessary for proper fitment.** Insert (2) Narrow Spacers in the Spherical Bearing of the driver's side Tusk Lower Radius Rod leaving the O-rings out for now (Fig. 5). Attempt to slide the assembled Spherical Bearing end of the Radius Rod between the aluminum tabs. If it does not slide into place, a small amount of aluminum material can be removed using a common hand-file. \*During this process, keep the file flat against the existing surfaces and test-fit the Radius Rod periodically.



- NOTE: The following step pertains ONLY to those machines running OEM Trailing Arms.** These Trailing Arms have a sharp point near the wheel hub location, causing potential fitment issues with the beefy, large diameter design of the Tusk Lower Radius Rods. With the Lower Radius Rod removed, simply cut or grind approx. 1/2" measuring from the tip forward. This can be accomplished with the Trailing Arm in place and removal is not necessary. Before and after examples are shown in (Fig. 6a and 6b) with Tusk Lower Radius Rod installed for reference. This action will not affect the performance of the OEM Trailing Arms and will allow the clearance needed while the suspension travels through its cycle.



- Insert (1) Narrow Spacer and (1) Wide Spacer into the Rodend of the driver-side Tusk Lower Radius Rod (Fig. 7). The Wide Spacer will go towards the front of the machine. **NOTE: There are two ways to confirm which Radius Rod is driver-side and passenger-side.** 1. The "Tusk" decals will be right-side up and visible from the rear of the machine. 2. The Snap-ring holding the Spherical Bearing in the outer end is towards the rear as well.



- Next, insert the hardware shown in (Fig. 5), including the O-rings, placing them between the Spherical Bearing and each Narrow Spacer.
- Slide the Rodend side within the center support plate (Fig. 8) and also slide the Spherical Bearing end into the outer aluminum mount (shown in Fig. 4).
- Once the driver-side Tusk Lower Radius Rod is in proper position, re-install the bolts/nuts. **\*Tighten to OEM torque specification: 40 ft. lbs. for 10mm bolts and 100 ft. lbs. for 12mm bolts.**



9. At this point, simply apply **(Steps 2 thru 7)** for the passenger-side Upper Radius Rod. Be sure all hardware has been re-tightened and torqued to the OEM specifications given.
10. Re-install wheels/tires and safely lower the vehicle to the ground.

**Limited Lifetime Warranty:** *Tusk Off-Road* warrants this product to be free from defects in material or workmanship for its usable lifetime. This does not cover cosmetic or structural damage arising from abuse or misuse, owner neglect, improper installation, or lack of maintenance. Structural or cosmetic damage arising from participation in organized racing events is considered abuse. Wear from normal use or exposure to environmental elements is not covered by this warranty. This warranty is extended to the original owner and is non-transferable.

