

# Adjusting Alignment for

**After a widening kit is installed on any make or model of ATV, the alignment of the front tires should be adjusted to a proper "Toe-in".**



**Make adjustments with the rider sitting on the ATV to get the suspension in the normal position for that rider.**

- Start threading tie rods into both tie rod ends at the same time. This makes sure you are getting the maximum thread usage from the tie rods by not having one end threaded on further than the other.
- With the handle bars as straight as possible, make coarse adjustments to the tie rods and get the tires so they *look* like they are straight.
- Take measurements from the frame to the center of the rear side on each tire. Make adjustments to the tie rods to get the measurements equal on each side. Once they are even, future adjustments should be made equally to each tie rod to maintain the straight position of the handlebars.
- Measure the distance from center-of-tire to center-of-tire across the rear side of the tires and across the front side of the tires. Adjust the tie rods to try to get the two measurements to be equal. This will make the tires square with the frame.
- After the tires are square, you should make a small adjustment to have about 1/4" of toe-in for proper handling. This means that the distance across the front of the tires is 1/4" smaller than the distance across the rear. This will help prevent the steering from "hunting for a groove" in the road/trail.

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## What is "Toe" and "Toe-in"?

Toe is the parallel alignment of the front tires (each tire is equally straight from the front to back of the tire). Alignment is set so the tires slightly "Toe-in" for safer ATV handling. For the tires to "Toe-in", the front of each tire is turned in slightly towards the ATV frame.

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