



Rear Toe Link Kit - Installation Instructions

Part #2180002

Cars applicable:

996, 997

Parts list:

Qty	Description
2	Rear Toe Link Assembly
2	0.125 in spacers
2	0.250 in spacers
2	Conical Spacers

Introduction –

Elephant Racing rear toe links provide enhanced range of toe adjustment. Enhanced range is required for lowered cars.

Bump steer is change in toe due to the vertical displacement of the wheel, such as happens when going over a bump. The change in toe causes the car to turn, and the driver needs to correct for this to maintain a steady trajectory. Bump steer becomes more profound when the car is lowered.

Elephant Racing bump steer adjustable tie rods have provision to adjust bump steer, such that bump steer can be minimized reducing the need for driver corrections and making it easier to go fast.



Rear Toe Link assemblies

Step-by-Step Installation -

1 – Install rear toe links

Installation is performed the same as stock rear toe links. Refer to a shop manual for specifics.

Re-use the stock mounting hardware and torque to factory recommended values.

2 – Bump steer adjustment - 1

Bump steer is adjusted by spacing down the toe link at the wheel-side of the Rear Toe Link assembly.

There are 3 flat spacers on each Rear Toe Link assembly. Always use all 3.

Adjustment is made by placing spacers above or below the joint at the wheel carrier.

Minimum bump steer correction (comparable to a stock rear toe link) is achieved by placing all flat spacers above the joint as shown in Figure 1.

Maximum bump steer correction is achieved by placing all flat spacers below the steering knuckle as shown in figure 2.

Intermediate bump steer values are achieved by splitting the spacer placement, some above and some below the joint. Adjustment can be made in .125 inch increments by proper placement of the spacers.

Note the conical spacer always fits inside the wheel carrier joint.

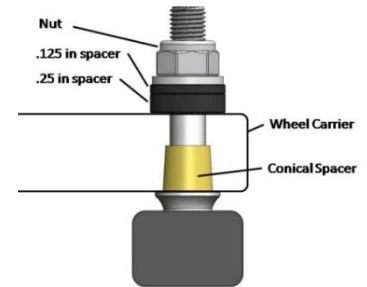


Figure 1
Minimum bump steer correction

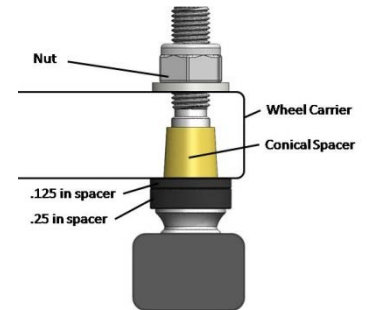


Figure 2
Maximum bump steer correction

3 – Bump steer adjustment - 2

The goal of bump steer adjustment is to achieve minimal toe change with vertical suspension movement.

This is best measure with a bump steer gauge.

Basic procedure

- 1 - measure the toe position at static ride height
- 2 - compress suspension 1 inch, measure change in toe position
- 3 - droop suspension 1 inch, measure change in toe position
- 4 - adjust flat spacers
- 5 - repeat 1-4 until toe change is minimized

4 – Align Toe

Following Installation, the vehicle toe should be aligned by a trained professional