



Adjustable Bump Steer Kit - Installation Instructions

Part Number 2110900 – Without boots

Part Number 2110901 – With boots

Cars applicable:

'65-'89 911/912/930/914 equipped with turbo tie-rods, 944 series

Parts list:

Qty	Description
2	Body
2	Sleeve
2	14mm Rod-End
2	1/8" spacer
2	1/4" spacer
2	3/8" spacer
2	12mmx110mm Socket Head Cap Screw
2	12mm Ny-Lok nut
2	12mm washer

Introduction –

Bump steer is a change in toe setting resulting from vertical wheel displacement. A car that bump-steers requires constant adjustment at the steering wheel to maintain a steady trajectory over uneven surfaces. This can be handful to drive.

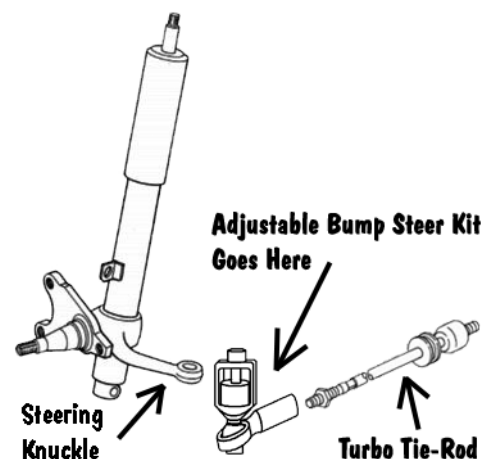
The 911 / 944 series has some bump steer inherent even in the stock configuration. The problem becomes more severe with lowered ride height and can be extreme with spindle height modifications.

The Adjustable Bump Steer kit allows bump steer correction by altering the angle of the tie-rods. The kit replaces the tie-rod end (turbo tie-rods only) and allows the end to be lowered from 1/4 to 1 inch in 1/8 inch increments, allowing easy tuning to specific vehicle needs.

Bump steer is minimized when the tie-rod and lower control arm are approximately parallel at static ride height. This is a simplified objective, for more information visit the tech articles at www.elephantracing.com.

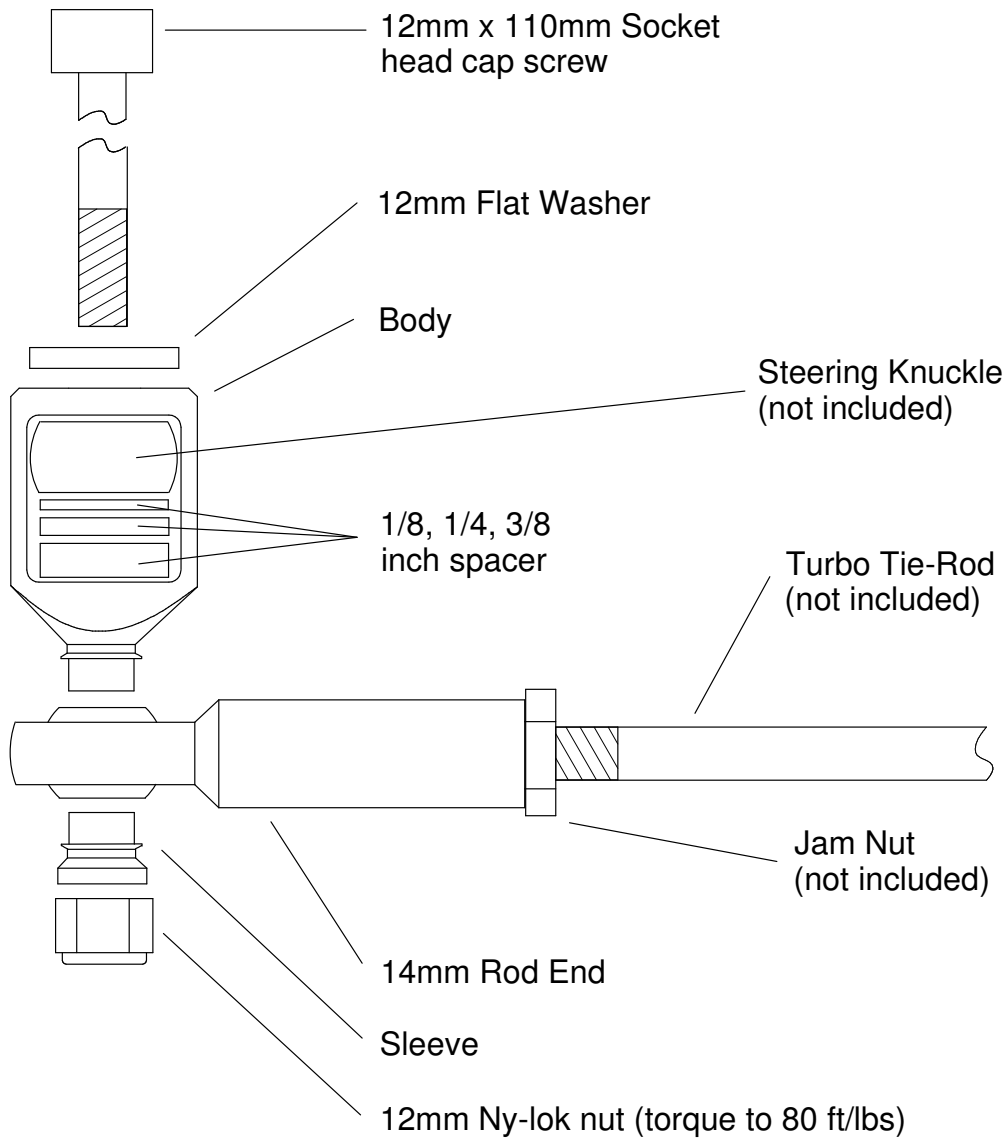
The rod-end is maintenance free and requires no lubrication.

Note: Proper torque is critical to safe operation. Use a torque wrench.



Adjustable Bump Steer Kit

Overview Diagram



Step by Step Instructions

1 - Assemble as shown above. By positioning the 3 spacers (1/8, 1/4, and 3/8 inch) above and/or below the steering knuckle, spacing can be adjusted in 1/8 inch increments. Always use all three spacers.

944 (and some 911) steering knuckles require trimming to fit bump steer body. Use a file or grinder to trim.

2 – Torque 12mm nut to 80 ft/lbs with clean and dry threads

Note – Do not attempt installation without using a good torque wrench. Under-torque or over-torque will result in an unsafe condition.

3 – Align front suspension