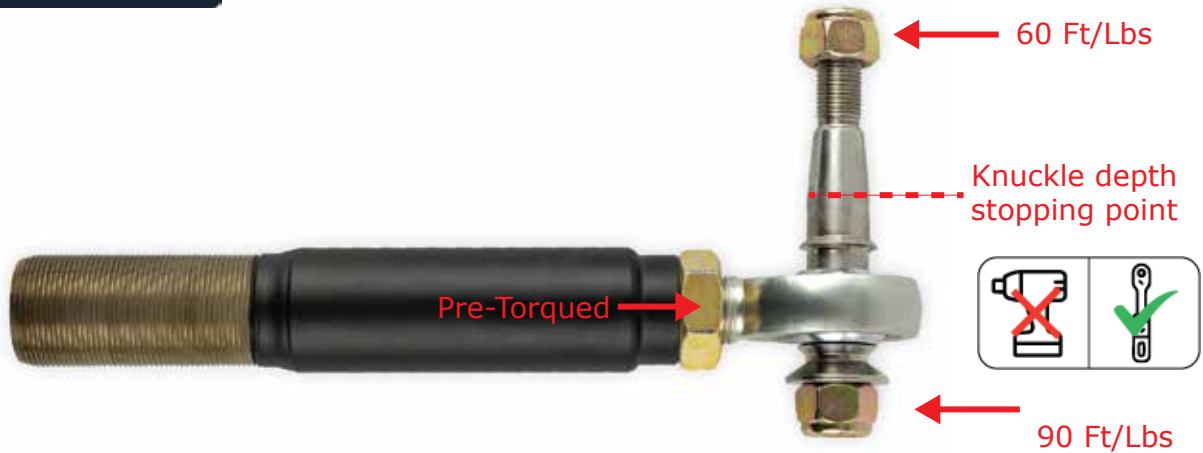


THUREN FABRICATION HEIM TIE ROD END

These instructions are applicable to the following Trucks:
2008-2012 Ram 2500/3500, 2013 Ram 2500, and 2008-2013 Power Wagons.
2003-2007 trucks **with the 2008-2013 Mopar Steering Upgrade**
Applicable Part Numbers:
(TF-TREDS-0813)



1. Heim Joint Jam Nut

- Heim Joint Jam nut is pre-torqued to 200 Ft/Lbs. Verify torque before installation.
- Measure OEM Tie Rod End from end of adjustment sleeve to center of Tie Rod End before removal. Write down this measurement for later.

WARNING

Do not over tighten upper tapered end nylock nut (60 Ft/Lbs).
Pin will not fully seat to shoulder, this is normal.

2. Install Tie Rod

- Install entire assembly into Steering Rod Adjuster and set to previously recorded measurement
- Apply Anti-Seize or Grease to tapered end of pin and inside Steering Knuckle. **Disimilar metals can sieze over time*
- Install Thuren Tie Rod End into Steering Knuckle
- Torque tapered stud end nut to 60 Ft/Lbs. Do not over torque attempting to fully seat tapered end to the shoulder
- Torque Heim Joint end nut to 90 Ft/Lbs.

3. Setting Toe

- Set Toe using Adjustment Sleeve, position sleeve so retaining bolts are located on the bottom side of the sleeve once Toe is set. Toe in should not be more than 0.05 total.
- Make sure Tie Rod Ends are parallel to each other allowing full range of movement before tightening Adjustment Sleeve.
- Torque Adjustment Sleeve nuts to 45 ft/lbs
- Reference our Alignment Pages for a complete breakdown and specifications

