

## Jeep Wrangler JK 1 ton 7075 aluminum tie rod installation instructions

Thank you for purchasing our Jeep JK 1 ton aluminum tie rod!

### Installation notes:

- Some factory and aftermarket wheels can interfere with the tie rod ends. Stock wheels will require 1.5" wheel spacers, or you will need a 17" wheel with 4.5 inches of backspacing or less! Test fit tie rod ends in knuckle and cycle steering to verify clearance before driving vehicle for the first time.
- A factory service manual is recommended for reference to remove any factory components.
- A steering alignment is required by a qualified alignment shop after installation

### Tools required:

- Torque wrench
- Socket set
- Hammer
- Pickle fork or other appropriate tie rod removal tool

### Step 1:

Remove the factory tie rod. Refer to your factory service manual for your specific model.

### Step 2:

Measure the length of the tie rod removed from the Jeep. Measure from the center of each tie rod end and record these numbers.

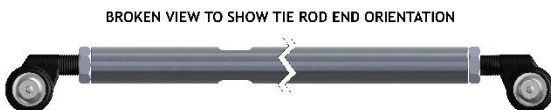


### Step 3:

Install the jam nuts, and grease fittings on each tie rod end. Thread the jam nut as far up on each tie rod end as it will go.

### Step 4:

Thread one left hand and one right hand offset tie rod end in the longer of the two aluminum pieces. This assembly will be the tie rod, using the measurement recorded in step 2 adjust each tie rod end evenly until the distance between the tie rod ends matches the measurement.



### Step 5:

Install the tie rod end assembly in the lower mounting locations on each knuckle. Tighten the castellated nuts to 40 ft lbs and install the cotter pins. Tighten the jam nuts on both tie rod ends.



### Step 6:

It is now time to install the steering stabilizer mounting bracket. This bracket is designed to work with the factory steering stabilizer in the factory location. Install the bracket on the tie rod with the two provided u-bolts. Utilizing the factory hardware install the stabilizer into the bracket. Verify that the stabilizer is centered in the steering travel and has full travel in both directions.



### Step 7:

Take your Jeep to a qualified alignment shop to have a steering alignment performed.

### Maintenance after installation:

All of the tie rod ends in this kit come pre-greased, no additional grease is required after installation! If too much grease is pumped into the tie rod ends it will be pushed out around the bottom of the rubber boot. This does not indicate a faulty tie rod end, clean any excess grease from around the boot. We recommend lubricating the tie rods ends with one pump of grease every other oil change or every 12,000 miles whichever comes first. When adding lubricant, if any lubricant is pushed out around the bottom of the boot, do not add any additional lubricant, this indicates the tie rod end is lubricated to capacity!

Congratulations you have completed the installation of your JK 1 ton aluminum steering kit!

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