

Jeep Wrangler JK 1 ton 7075 aluminum steering kit installation instructions

Thank you for purchasing our Jeep JK 1 ton aluminum steering kit!

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:

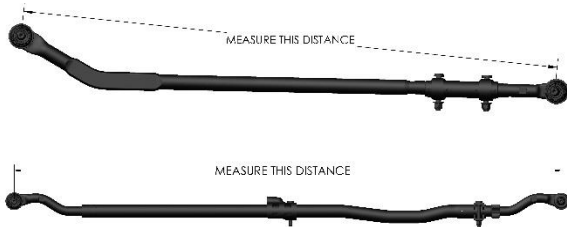
- Torque wrench
- Socket set
- Hammer
- Pickle fork or other appropriate tie rod removal tool

Step 1:

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

Step 2:

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

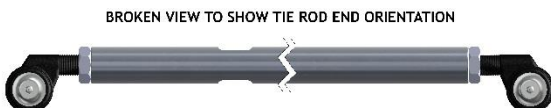


Step 3:

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 evenly until the distance between the tie rod ends matches the measurement.



Step 5:

Thread the standard tie rod end and one offset tie rod end into the shorter aluminum linkage. Using the same process as in step 4 adjust the tie rod ends evenly to match the factory drag link length.



Step 6:

Install the offset tie rod end in the assembly from step 5 into the upper mounting location on the passenger side knuckle. Install the castellated nut and torque to 40 ft lbs, continue to tighten the nut until the hole in the stud lines up and install the cotter pin.

Step 7:

Install the other end of the draglink assembly in the ptiman arm, install the castellated nut, torque to 40 ft lbs, and install the cotter pin.

Step 8:

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 all 4 tie rod ends.



Step 9:

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 10:

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 anymore 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!

Professional Services Disclaimer:

The content of this Website, such as text, graphics, images, information and other material (collectively, "Content") is for informational purposes only. Any information furnished on this Website is not intended nor implied to be automotive advice and is not intended to replace personal consultation with a qualified automotive service technician, mechanic or similar automotive professional.

Barnes 4WD has not examined the Content for accuracy, timeliness, completeness, appropriateness, or helpfulness. Barnes 4WD does not endorse any specific tests, products, procedures, opinions, or other information that may be mentioned on this Website. Your reliance upon information and Content obtained by you at or through this Website is solely at your own risk. IN NO EVENT SHALL BARNES 4WD BE LIABLE OR OTHERWISE RESPONSIBLE FOR ANY DAMAGE OR INJURY (INCLUDING DEATH) TO YOU, OTHER PERSONS, OR PROPERTY ARISING FROM ANY USE OF ANY PRODUCT, INFORMATION, IDEA, OR INSTRUCTION CONTAINED IN THE CONTENT.