

## Jeep JK 1 Ton 7075 Aluminum Steering Flip Kit

### Installation Instructions

Thank you for purchasing

## Jeep JK 1 Ton 7075 Aluminum Steering Flip 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.
- The tapered hole in the passenger knuckle will need to be modified to accommodate installation of this kit.
- 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
- Tie Rod Separator or other appropriate tie rod removal tool
- 7/8" Drill Bit
- Drill

### Step 1:

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

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### 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.

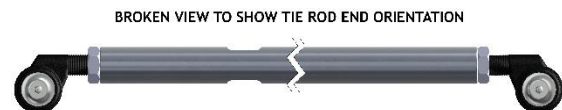


### Step 3:

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:

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

Step 8:

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



Step 9:

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.

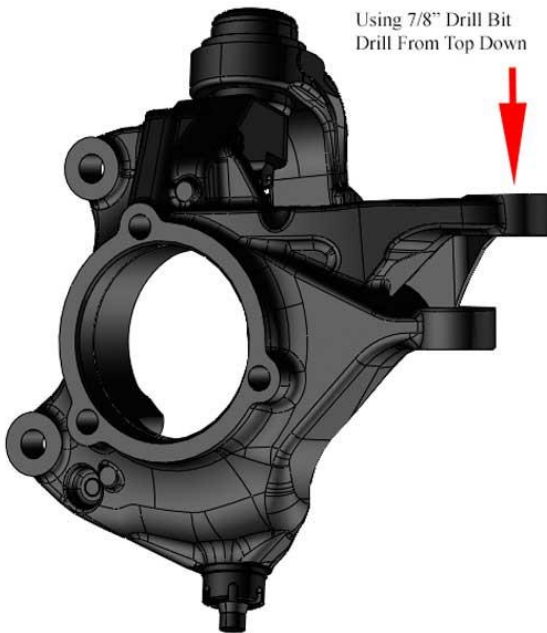
Step 10:

Thread the standard tie rod end and the offset tie rod end into the aluminum linkage. Using the measurement recorded in step 8 adjust each tie rod end evenly until the distance between the tie rod ends matches the measurement. Once the measurement is satisfied tighten both jam nuts.



Step 11:

Using a 7/8" drill bit. Drill out the hole on the upper mounting location on the passenger side knuckle.



Step 12:

With hole drilled to 7/8" press in the tapered knuckle insert, from the top. Install the offset tie rod end in the assembly from step 4 into the upper mounting location on the passenger side knuckle. Install the castellated nut and hand tighten.



Step 13:

Install the standard tie rod end into the pitman arm. Install the castellated nut and hand tighten



Step 14:

Torque both the offset tie rod end at the knuckle and the standard tie rod end at the pitman arm, castellated nuts to 40 ft lbs. Continue to tighten the nut until the hole in the stud lines up and install the cotter pin.

Step 15:

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 pregreased, 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 rod 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 Jeep JK 1 Ton 7075 Aluminum Steering Flip Kit!

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